

SEQUENCE LISTING

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Gene Logic, Inc.

<120> Gene Expression Profiles in Liver Cancer

<130> 44921-5028-WO

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<160> 3950

<170> PatentIn Ver. 2.1

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<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)..(507)
<223> n = a or c or g or t

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aatctgaaaaa tccacaatct aagaaatngg aaactctact cttttcggg gggctccatc 360
tcantggcac cactggaaa ttnttggtn gcctggacac actggtaacc aattactggg 420
agggtcaggg gcccancagg agttttgggt tttaanggga gttaaagtcn aatgtttgga 480

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507

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<220>
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<220>
<221> unsure
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ccagggaaag ggtgacatcc tgccacgtgt gtgccacaag accagcaaca ggagcaggcg 120
accagagctt aaccccattgg gangacactg ggaaaggagg caaaacacac acttcagaat 180
tattccactc cagctgcaga gagctccggt ggtattttc caccaggacc tcagctacac 240
atgc 244

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<212> DNA
<213> Homo sapiens

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ttcccttctg ctgtgatttg ttgtttccc tctgcatt ccccttggt ctgtttctc 180
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ctgttcataa ttttactgc aattccgatg attgaattat aaactggaaag ggagcaggga 300
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c 421

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<211> 387
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<220>
<221> unsure
<222> (1)..(387)
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tctatttctt ctctaaaaaa attaaaaattt caaatggatg accaatggacc aaataagtaa 180
caaacacatc cagaacacata ctatatgtct acaaagaata cttcaaaatg tgccctccaa 240
cttcaggcac ataattccaa tttttattga atgttagagat tttatggaaa caantccaan 300
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ttacatgggc agaatacata ccactat 387

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<220>
<221> unsure
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<223> n = a or c or g or t

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nattaataat ataggaataaa tgaataatata atatttatat ggtaaaatata ggaattttta 180
taccnagggtt taaaancct gg 202

<210> 7
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA004231

<220>
<221> unsure
<222> (1)..(455)
<223> n = a or c or g or t

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ttcccaactc tagataacta tggcttaggc tctggctaa gtgcattaca taatgttgct 180
caggacaaca ggacaaccct atgatttagg tgcacccatt ctacttggag ggattgaggc 240
ttagatgtt acgttaacttgc cctaagggtt gagccattaa gtttcaggag tctgatctga 300
actccgtcta cacctgcact gtccagtgtg gttaggtcacc tagtngacat ggtgaccatt 360
ttgaangttt aattaaaata agaacttcag ttcccttagt tggtgccagc ttcatttcaa 420
ttgctcagca gctggctgt ggctagttt gttgg 455

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<211> 457
<212> DNA
<213> Homo sapiens

<220>
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aaggccatata gggcacccct tttgggttgc caggccttgc ttgcctgtca tccaggtccc 120
ttggctgtgg aagtctatgc ggtcacccca gagccgctaa gcacccatcg tggccccatc 180
ccattggcgg cgtagccctg ctggagccgg gcacggtaat agaagaggta ggaaggcaac 240
agaatccca ggagtggaaa tagcaggagg cccagattca cctttagggc aaggagagag 300
aacacagatgc aagttaggttgc tcatctgccc tttagcctccc acagggagaa gaaaggcggc 360
cattttctc caggtccctgg agccagaata aatacagcta gtacttattt tgttagtca 420
ttgttccacc agtatctcac ttaatgttca gcaattc 457

<210> 9
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA004669

<220>
<221> unsure
<222> (1)..(447)
<223> n = a or c or g or t

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gttaataatt ttacaggta ctcatcatgt tacccattca gatatgtgct taaggtaggt 120
gttcctacag gatcttgggt tgatngttc cgtttattt nattttaaaa ataataaatac 180
acaactaa aacgtttgag caaggtcact taaccctctc cccaggtgg tagttattat 240
taccatcatc atcctcctca acatcattat tactttcag ctacatgttt aaaagaggag 300
atcttaaat atgtcagtt aactggggga aaatgtgtcc cctgggcanc aaggtnggtt 360
ttccagaatg aaaaagcccc atcttcaca aagagctttt ggtcctctgg cgtttatttt 420
taaagtggcg gaccctgggt ggggagg 447

<210> 10
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA004707

<220>
<221> unsure
<222> (1)..(427)
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<400> 10
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tactgagctc tccaaagact gggcaggcaa agtccctctg gccccctctg gaagtggaaa 120
gtgctcgccc tggaggacag caacagagcc aaggtgaggt cctgctaaa ggtgggcagg 180
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aattgatgcc acaggaacc tctcccgga gttccctgtg atcttggata agggatggcc 360
tccccggccc aggtcatctt ctccctcatc aataatcagg ctgcggccaa tcacatccca 420
caccttc 427

<210> 11
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA004905

<220>
<221> unsure
<222> (1)..(431)
<223> n = a or c or g or t

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ctctggctgg gcagtcaaga gagcgggctc aaattctgtg actcacttct ctgtgtctcg 120
gttggaaatg aatgggtatc ctgggtccca cttcccaca cgctgtgata cttcaaactc 180
cttgggtgaa gggccttc tcagcccaag atcttgattt tgaacattaa caaagagaac 240
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tttaaaaaaa tatttaggg ggatcatgaa agtagtggag gtaattacaa tcaggagaga 360
ttgttattt aaatngagc aaagtcccaa ctctcaccag atgacaatta tgcattcctgc 420
tagatcccc n 431

<210> 12
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA005202

<400> 12
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tggctgtat tcataaacac cttcaaggct gttctgaaa cccactgaat tttctctgga 180
cgtaatgggg gtggagagaa tatgacttgc tggatgaaca gggcttcctt tgatttctct 240
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agccaaggca gcctgacctg ggacacactg gtgatggtt tataaagtgc ttctatgtct 360
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<210> 13
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA005262

<220>
<221> unsure
<222> (1)..(349)
<223> n = a or c or g or t

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tagagtag ggttttgtct attaaaaaaaa atctttgctt gctggactg caagcttggc 120
ttccctgcaa gctcaatagg ttctggagct catttaccat gtcgctcgct ggatcccaga 180
aagttgcccc tggtcagcta agtgcggaa gactatacga ctaagcctcc agcggccgctt 240
cacaccacgc ggacgggacg gtcataaacac acccgatttc tggattctaa canggacang 300
ctaattccccg ggggatgggg caagcaattt cttcattcaa ggccanatt 349

<210> 14
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA005358

<220>
<221> unsure
<222> (1)..(409)
<223> n = a or c or g or t

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ggaggcttcg ggtgtggtgc agtcagggct tcaactccgg gtctatgtga ttaccctggc 120
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ccttagctc tcttcacatc atttccaaa tctngtaata tggctngtac aaattcttag 360
nccaaactcc ttagcatggn cgttggagtc ccttncgcat ctgggattc 409

<210> 15
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA007158

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ctacactatt attaaaaaaa aaaactcaca aaaagaaaaa tgttatcact acaagtagga 180
attagaagag agaaatccctg gcagtctgtc tagagttaa acatTTcat gcatttgtga 240
gttgctgttg gagagttgt ttttatttg tccaccgtaa tctggca 287

<210> 16
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA007160

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aaaaggggag gcagggcagt ttcacatTT ttgaaagggtg gtggacgaca actacacttg 180
tccttaaagt aaaataaaag caggagagac ccagcagaga ccaacctgtt ttgcagttg 240
catcagaatc taaatctgtt atcacaactt taagaaaactt aaagaaaaactt attag 295

<210> 17
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA007395

<400> 17
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aacataggga atattcatat atataacagg tacaaagtct ataatattttt aagctttttt 180
atgttcccattt attaaatgtt aatattttttt taaacgcattt gctttccttgg gttcatcaaa 240
tcaggttaata aattaaccag gcaggttccat attcaatcgat atagtattcc gaattgtc 300
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gcctcactgtt ttttgcataaa aggccaggta tgggtcacca gtgcattccat attgaatttcc 420
ttattcttat agtcagtgtac cagctttggg atagaatcta cactt 465

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<211> 378
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA007507

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gattcatcat gactgacatg gtgtgtcaca aagagctcca agtaaatgct gtgaaggaag 180
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cctgaggccct gagtaaggct gggagctgct ttcccctctg cccaggaact ctgtccaggg 300
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tcataggcage cactcgcc 378

<210> 19

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA007629

<400> 19

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taacctcctg gggagcagct ctggacactc agtacccaga cctggctca gcaaggcctg 180
gggtgactgt gcccctcaact cctgctgcct gatctggca gcccaccctt cactggtaag 240
acagaattctt caaggatag gcgca 265

<210> 20

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009719

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cccgaaactt cagaggacg tagttggatg ttgatgaact gtagtggcgt ccacacccgc 420
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<210> 21

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA009913

<400> 21

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ctacaggata tgccatcatg gcagaaagt ctattggatg gacagtgttg gtctatactg 300
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<210> 22

<211> 484
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA010065

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acta 484

<210> 23
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA010205

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ttggactgg tttcccggt aagaattttc 390

<210> 24
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA010360

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cttactgtca ggatgaagcc tttatgtttt catccaagaa ctgagttcac tgatgtcaac 180
acctaaggga atgttctttt aaccacacag cagagacaat tgtcatcacc ttgggttacag 240
ctgtatctca gattggc 258

<210> 25
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA010530

<220>
<221> unsure
<222> (1)..(444)

<223> n = a or c or g or t

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 gataaaagtgg atttaaaag caagttgggt accaatgatn ggggagatg aggagaatag 180
 ggcaggcagc aacaggcaca catgcatttt tcaagagtgt ttattaaaat aggcatgtat 240
 cagtagatgt acatcatatg agcagtttt caaaaattagc acttccagga gaggggctac 300
 atctcagttt tttctgtctg tacagtaaaa tgccaaaagt acttccctaa agtacaaagg 360
 catttccta gtagtcttgg taccagtaac aatatgatta ctaaacatct ccaatgttgt 420
 ttttcattac aaagaaaacat gttt 444

<210> 26
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010605

<220>
 <221> unsure
 <222> (1)..(465)
 <223> n = a or c or g or t

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 cagtagggaa gttggcgag ttccagaatc agggggcgtg gctgtgtgac tggccctcc 180
 gtgggggtggg cggggcttac atgccgggca ccacccatt ggtctccatg ttggtaagg 240
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 caaaaaccctt nggtggttgt tggcgcttgg tgacttccag gaagagcgtg ggcgggtcct 360
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<210> 27
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA010619

<220>
 <221> unsure
 <222> (1)..(485)
 <223> n = a or c or g or t

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 gtaactgcag cggccaccaa gcgtccccct ctgggtctg gaggggttcg gcccgtcctg 180
 cctccccccct cctccctgggg cagctggac aggggacccc tgtttgaaga cagccccggac 240
 aacggcccccgg gaggcagctg aattgccat tggaggcccc ttcttccttgcactgcctg 300
 aaccccgtag cccactccgg ctgcccgggc tcttcgtcct tctccgtggca ccagccctccg 360
 ggcccccggcc agcttgcttag gagagcggaga acactgtttc tgaaagggtt gctgcttgct 420
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<210> 28
 <211> 507

<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> unsure
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<400> 28
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tgacacctccag agccagggtt gtgccttatt gtcccatctg tgggcctcat tctgccaaag 120
ctggaccaag gctaaccctt ctaagctccc taacttggc cagaaaccaa agctgagctt 180
ttaactttct ccctctatga cacaatgaa ttgagggtag gaggaggggtg cacataaccc 240
ttacccttacc tctgcacaaa agtgggggct gtactggga ctgctcgat gatcttctt 300
agtgctactt cttecaagctg tcctgttagc gacaggtcta agatctgact gcctccctt 360
ttctctggcc tcttccccct tcctcttct tcttcagct aaggctagct ggtttggagt 420
agaatggcaa cttaattcta attttttattt attaaatatt tggggntttg gttttaaagc 480
cagaattacg gctagcacct agcattt 507

<210> 29
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011134

<400> 29
tttttttttg gtttagaatg aagttttttt ttttaattat ttttcttggaa agtagggagg 60
atttggaaagc ttgaaaatca agaatcaaaa gacagtgaat cttagaaggca tctggagca 120
gaacagagat tgaagacggg tggcacagg agaaagcgcc accatcgatc ccggctgctg 180
ccctggaaat gtgattttct taatagctga gttcatggtt gtttagggtc aggcttggct 240
attcattttcc agcgatgtct gaccagagag gactcatcat tgacgaccc tcggcacgg 300
ggcgacgct gacacggaa cggcagcagc agcaggacga ttaagacaag gaggatggct 360
ccacagacgc tcatgagcgc cataggacac aatccacaaa atggggctcg ctcaaagact 420
gagcgaaaaac acagtttct 439

<210> 30
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011209

<220>
<221> unsure
<222> (1)..(446)
<223> n = a or c or g or t

<400> 30
tgcctggccc agactttact cgctccggc cccacggacn aaggaacact gcccacaacg 60
tcggggccca gcctgagagg agcctctggc cgnccaggc ctcctggga tccctgcca 120
gctggccccc ggctggagg tgcattggca gcacacgaaa ccaggatcca cccactgccc 180
accgggtggcc ctcacagctc cccgggatct gtgtcctcag tgcaaaggcc ctggcaggga 240
aagctggccc tggtggcag gcatggagga gctgtgttgt cactggccac tggctcttt 300
ctgcaccacc gcccggctctg acaantgcct gctgctgcag ctgctggatc agctccggca 360
cacagatctt tgaacagggg tacagggtcc ttctccctcca aaagtctctg cttctnaatg 420

gcctcctcca gcgtgaggcc caccnn

446

<210> 31
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011383

<220>
<221> unsure
<222> (1)..(404)
<223> n = a or c or g or t

<400> 31
gagatggagt ctcaacttgtt ctgccaggct ggagtgcaga ggcacactct atctgaaaaaa 60
cacaaaaaca gaaacaaaac cacacacaca cacacaaaac cataaggact tttgaaacg 120
ttttacgatg tggttgaagt gcttcagat taattactat tggagaaaaa tgatgaagt 180
atgtatcccc aaccgtgttt ataagtaatt caagtattag cttagccatct actatgtcca 240
agcaatgtgc atgacactga anggtggaat ggtggcagc cttacagag cggtacaaat 300
ggggtaatg cgggtcaaaa cacagttgca tggcagggtt tggtnngctaa atnttttaag 360
gattgggagg accacgccta ctttccccc agggaaaagg 404

<210> 32
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA011679

<400> 32
gagacagggt ctaacttgtt agcctaggct ggagttcagt ggcacgatca ttccctggact 60
caaataatcc tccccctca gcccctcgag tagctggac tacaggtgca tcaccaggcc 120
tggttgatcc ttttttattt ttgttaacaa ttaataata aataaaaaatc tcactgtgtt 180
acccaggctg gtcttgaaact cctggctgg agtgcatttc ccacccctc ctctcaaagt 240
attgggattt cagatgttag ccaccatgcc cagccctgt tctctcaact ggccaaacag 300
gaaaggacct gcgaatggtc actgggagca ggagaccagt cagagaccag gagcaaagaa 360
ggcctagctt ggcctggaga gagaagcaca tccctggta gtggttttac agtgcctgc 420
tctctattgc ctcaccctta aaataaacac cacaccctc 459

<210> 33
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA013095

<220>
<221> unsure
<222> (1)..(502)
<223> n = a or c or g or t

<400> 33
tgcacaaaat gcttttatta ctctaagcaa ataaatcaat caaatcacat ttcccattag 60
acagcacctc agctccccta tacatacagc agttcgctgg attgaataca caatgaacaa 120
ctgaaaatga tcaatttcca tcattctgat aacacgggca aaaaattcaa actctctgtt 180
agaatacagg tactagtaat caaaaagaaaa atttcttgat atctcccact agcattttca 240
gatttagaat ttaaccatga agtacatatc tagaactaat gacagaaaaa tcgcatttt 300

aaataatatt acagttcttc tgtaaacctc agagtgattt ctgtgtgggg aacttggtcg 360
accagaagat taaatgagaa ttttgtacnt ccctcagata gccaaataga gttaaaggc 420
caactcccaca ccacccctt ccaaaaaaaaa accaaaacat gttttcccn ctttttac 480
cgatattga ccaccagtat ag 502

<210> 34
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA015768

<220>
<221> unsure
<222> (1)..(482)
<223> n = a or c or g or t

<400> 34
acgtgttcaa atatttattt taacagcatc ttttggaaaca tgtttatttc cttaaaaac 60
gacacagagg aaacatgtac actgtAACAA cacccccc tctgtttctc cagaagaaaa 120
atgtttctgc atgcgtgata acagatggg caaccaacag taaacctgac tctctacacc 180
agtgaagaac cattctccaa atgcccagtg tgccctcagag gaaatataca attaaaaagt 240
tgaccctgta gaaaaaattt tgagtcaaat tattaaaatt tagaaaaagaa ctggattcaa 300
atacttacaa actaggcagt tttaaaact agacctttaa gaccgtcctg ggtcatccat 360
aatatatcat agtcaactttt aaaaaaaaaaaaaataccaa atagttttt cactaacgt 420
aaggctagtc ccatggaata ataaaatcca acagttgggg gntaaaaatt taattccant 480
tt 482

<210> 35
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA016021

<220>
<221> unsure
<222> (1)..(248)
<223> n = a or c or g or t

<400> 35
tcatattgtt caactatgtt attaggtatt aagcgacgta attctttctc tactagtgaa 60
ccagtttatt tcacttagca aactctaaat tgagggaaat atataatctg agaacacaca 120
gaaaaatata ttgaaaaacc aatagagaat tatttttaac catcataaaa actcaatctt 180
aattaactgtt tagtctttaa cttaaaaaaaaa agagtaatcn agattggaaa ttgggaatta 240
aaaatatt 248

<210> 36
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA017146

<400> 36
agatggagtc tcgctgttgt tgcccaggtt ggagtgcattt ggcacaatctt ctgctcacga 60
caacctctgc ttccccgcagc caggttatctt cagaagccaa ttttccctttt agggaaaagttt 120
acagaatcat ccagggaaaga ggaatgggag gatgggctgg atgatccctg ttccaggccta 180

atccgctggc ctcccgtggg cctcccttc tttgtgccaa gcccgtgct gggtgctggg 240
aactggaaac acagaatgaa tcagacatag cctttgttcc catggggctc agtctcatgg 300
gaaagacaaa tgtgtatcg gcattattga cccaggatca tcagtgcctc aataaaaagc 360
tcagagggtg gtttggaaag gcttcctgga ggaggaggtt ctggaa 406

<210> 37

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA017192

<400> 37

tttttttttt ttgggtttaa agccaaattt tatctaacct ttaataaaaca aatcaatggc 60
aataacaaa atttaaaaca ttcttaattt tgaatgttaa tatatgaatg ctaataatat 120
taatatcaat tttgaatatt tggacaaaaa tcccaaacaa aatattcata agataaaatta 180
agcagcttat caaaaacaata atataccaca gctaagcata ttatattca gaaatggttt 240
aaaacaagaa atcagaatga attataacat taaaatagca gaggagaatg atatatgaac 300
aagcaaaag aagtgtatagg a 321

<210> 38

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA018346

<220>

<221> unsure

<222> (1)..(452)

<223> n = a or c or g or t

<400> 38

tctcgtaaa cattcattta tttcctgcca gcagggtcag tggggccccca ctgggnaggg 60
ggactgggt tctaacagga gcgagaaaaat gaaggaggcc tggcttaaga ccagacattt 120
gaagaaggct ccaggcagg aaaggaaagg agaggccagg ccacactgtc ccctccctgc 180
ccccacgtct ccagcaacac aaggcggcca gtggaccgtg aaccatttat ttccaaacta 240
taaagaaacc tgctctctga gaaaagacac tgcccaggtg atgaagctcc agcccttgaa 300
gttccaaaac ccagtccaaa ctcagtcct tttagaaagct gctgtgcctt tggaaatgag 360
tctcggctgt cagagcctgg gaagtgggtt gaagaaccag cccactcccc tctcctgtc 420
cgattccagc gcagttggg gcccagctc gg 452

<210> 39

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA018867

<400> 39

gtttacatca tattttatattt tattacagtca aataaatata cttttatata taaaatcatt 60
atagaataca tatttttaagg cactaagtct caaaagtcaa ggcacctgtt atactttgct 120
ctctaaatttgc acacattaaa acatgagagg taaatctgcc aatttatttt gagtttgc 180
gcttacaattt taatagaata aatcaggttag cttcagaaat caactaagaa aattaacagg 240
cttagagtctg aactaataat cttgacatgg tttgattatc acttgggttta ttctgattac 300
tcattttaccc ttccatttat gaatctaaac tgacaattcc accttttagag gtataataga 360
gctattaacc gatgagacac atctactcat tctctggtaa ctctggaca tcgcatttg 420
ctttaaaa 427

<210> 40
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA018922

<400> 40
aagtgggagc ttttgggtgt aactttcctg cagccgttaa agtggcaccc gtgcacccctc 60
cttcctgcgt cgggggaggc atcgcatc ccttgcacc tggcttcccc gaagtcccgc 120
tgcgcacctt ccctggcgag ggcagctccc cgggcacgca accccacagt tgagaagggtt 180
ccctgctca gttccggagaa gatggaggcg tggaggtgac agaggagctc aattttcccg 240
agctgaccaa aacttcgcca atgggggtcg aggtaaaactt ggccgttggg aagaaaagttc 300
ctcggagctg tcagaggatt cgctgctgac atctgagttc aggctgttgg tctctaagtt 360
gtAACAAAAG CTCGGGCTGA TGAGAGTGTc CTCTGGAGGA CTGGAAGATA TCTTCAA 417

<210> 41
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA019715

<220>
<221> unsure
<222> (1)..(487)
<223> n = a or c or g or t

<400> 41
ttaagagaca agatctca ctgtcaccaa ggctggaatg tagtggcatg atcatagctc 60
aactgcaacc tcgaactcct aagctcaagc aatccctctca cctcagtctc ctgagtagct 120
aggactacac agtatgtgct caacatgact ggctagttaa aaacattttt tttttttag 180
agacgaagct ccaagtgttg cccaggctgg tctcaaactc ccagcctcaa gggatcctcc 240
tgcatttagct tcccaaagtg ttgggattac aggcattgagc caccacacct ggcccttcca 300
taatgatgtt gagaccatcc tcctcaacaa agaatcagtc agttcagcac ctaattttcc 360
cacactgaag tctacgcaat tttcatgcag actgtgcaca cagtagtgc cacaatcca 420
gagggcaaca cattggtaat tcataatcatc cggtttcca aagtatgaca tatggacac 480
ctggagn 487

<210> 42
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA021549

<400> 42
aaagtcaattt tattggacac aaatgctaaa aatttagaaaa accatacatt ttactctatc 60
aatctgttag gaaaaactat agaatatgtt agtgattgca ttgattctgc ttagcaattt 120
aaatgcaaaa ctaagatatt caccaaatat aaaatatgtt tattttctaa gaaataaaaac 180
tcacacaact gccatTTTA gcagaatggt ggcaactgcc atttttagca gaaaccaaaa 240
ctatTTCTG ttaacaagaa gaaaaaacca tcagtgaaaca ctcaagtaat aatcagggg 300
ctaggatgga ctctcagtaa gaaaccactg gaatatacct gggactaaat ctattctaac 360
aaaattaagt ataccaacccg gaatagttt gtgtgtgcatt ttggTTTCA ctatataactt 420
ttataatctc aaaagtacct 440

<210> 43

<211> 418
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA021623

<400> 43
gttttgaac cttaataaaa agtaaaaaat gaatgcaaaa agaacacaat gttgaaaact 60
tagtatgaat gtgaacctca ctagatgtc aaatctggta gagtgcaa atttttcata 120
ctatttaca ttttacaaa ctc当地atcac ttgggtcat atatttcta taaactattg 180
gaaaaaaaaat cctcaattt acattcttt ggctacatta tttctaacag atatagattt 240
acttccgggtt tcggagagaa agacttattt tttgtgcgtg atcaagtctg ttttaaagat 300
tcactcgctg ctttcatcta ataacttctg gttttcata aatgctgac atcttcattt 360
gaaatttttt tcatgtaact gttttcattt tcagaaaata tataaggggg tcattccg 418

<210> 44
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA022623

<220>
<221> unsure
<222> (1)..(394)
<223> n = a or c or g or t

<400> 44
gaggcta atc acgtattt attttcaaaa gttttttt aagctttcc caactgaaat 60
atataaaaaa ccccaatgtt tggaaacaatgtt ttttaggcatt ggtgttggca gcggtagtgg 120
gctgtgtgtt cttccctgca cacagctggg ggc当地atgttgc cttccccctc tgggtgaacc 180
ctggggaaat cttggcaccc tc当地ctcac tgccttccaa tctcagctca aagactgggc 240
atcctgcctt ggaccacggc cccccccccc aatgtccctc aaggaggtac aagaagtcac 300
cangcatttga ctgcccatttcc tgcgtgtctt cttttcagg taaaataaaag aaggttaagcn 360
tagcttgggg attttcgctt gnccgaaatg tnaa 394

<210> 45
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA024482

<400> 45
ttttgttgtt gcccggatttt attggctaca aaatagatgc aaaatgttga gaatctgtt 60
gctgcaggtagt gaaaggtagatg ctttaccctt ataaacttgc acctttgttta gaaaatgttca 120
atataattttttt agcattatgtt gaaatgttgcgtt gagactgttta cagaaaaaaa aaataaaaatg 180
ttctgttgtt gataatttttca agggtatctt tt当地acttca ctc当地tgggtt tctgttgc 240
gactttccctt gggggaaaat agattttaca acaggccggaa acttttcatgtt gtctcatgtc 300
tgcttttggta tttcatttcaat ttgacaaaaga actaatctt cgttgttgcgtt ctccctgggtt 360
atggcccttgc tctttggagt tgcagacact ttcatgttgc acctttgttta ttccctgttgc 420
ctttcacttctt cttccctccca ggagccgttgc gg 452

<210> 46
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA024511

<400> 46
gttaattaca gtacacctt attaatactg gaatctcac agtgcacatcg ttactttag 60
cagtgactat atttaaatcg gggaggatgg tgtggagggg agaatttttc caaaatctga 120
cgaaaaagaaa agaaacaaat gttcaga 148

<210> 47
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA024658

<400> 47
ttttaatat ttaagagttt atttgagcag tgatccatga attgggcagc tccaagccag 60
aagtggctag ggagctccc agagagaaca tgaggaggag gctttttagg acaaatacgat 120
aaaagcaaaat ataataatttc attggttaca gttatacgt tacacagtt tacagttgcc 180
ttatttggtc tatcccatga ggaagtccta gttactaatt acgttttgt tggctgctc 240
tgattggttt agcttaagtt ctgtgtttct ttaacatagg catttacaag aaataccaca 300
aataaaagttt cagacatgct tgcaaataa gcaaggtaa ggtcacttag gggcccaac 360
tggctctgtc tgctcaagga ttcttctggc ctcgtctcca ttttacatga actggttgca 420
taaataaaca cagagta 437

<210> 48
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA024776

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 48
ttttcaggga gatcattctt tttattgcca aggaccaaga aacaaagtgt agaaatgcta 60
tacacaatgg tcatgagcta caaggttaga atggggtgca ggggagacgt ggtaacacac 120
agcactattc tgaacgaact ccagctctcc attcttaacac ttgaaccaag gaaagacagc 180
agtccctttt cactaagcct gcaacagaat gcaaatagtga cttggtttat cagctccac 240
aggacaggca ggcggaaaagg ctattgtaa ctgggtttgg gagccccat ctcaaacaga 300
gagtggatgc tgaagggtggt ccctggccgc cactggtggn ttgggtcccc gggcttgcta 360
ggtcctgggc atgtctcgat tctccaaatga tncagcttg tcagttgaa tacagttggg 420
ccaatgtggg acctggcga c 441

<210> 49
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA024866

<220>
<221> unsure
<222> (1)..(474)
<223> n = a or c or g or t

<400> 49
 gtctccccca tttatttgaa aaacagaatt acattaaaag gaaaaagtaa cagcatgtt 60
 aaatttcact taagtcgata cccttgata caaactgggt tattatgcat ttataaaaga 120
 tgcccttgt tggccatgga aaagatacat tttatgatct acagcggcag tatattcact 180
 ttaagtagga attaggaata taaatgcaa aaaaaattaa aatgtcacat tttctctccc 240
 cattctacag aatagaattt ttttgctcca ttacttagga gtcgcacct ccctgcctcc 300
 ctgtgagatg ccatgcacct gttgcagctg tcagcggtt ttgccccctn gaccattcct 360
 ctgctctacc ccttacccca acacactccc tcttccctc ccaaaggaaa ccaatcttgt 420
 gctgggggggt cgccctccct ccacacagcc acgggttcgg acagttccct gtcc 474

<210> 50
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA025166

<220>
 <221> unsure
 <222> (1)..(343)
 <223> n = a or c or g or t

<400> 50
 tttaactaaa atggtcactt ttaatggaa ccagaggtat agttacaatt acatagtccg 60
 acggggggaa accctgggt gatcaggaat ggggaaggaa acaaaataac gagggtaaca 120
 cttgggtaca ggacaaaaag ctgttccaga acctngggag ccaggctaatacggcc 180
 tctccctgca atcctatctg tgctcaccctt tggaatccat cttgccaggg ccaaagccac 240
 ctctntcccc accaccccnccccc cccctcgaa agcctccacg gtcccccgcct gcancggg 300
 tangccgcct ncgatcataa gcntcctctn gncaccactg acg 343

<210> 51
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA025277

<220>
 <221> unsure
 <222> (1)..(456)
 <223> n = a or c or g or t

<400> 51
 tggcggtgg gaaatcaacg tgcttcttta ttttttaaac tagataggtt cattctactg 60
 tcttcctccag ggctcttcta tgaaacaggta acaaaccctac ggccaggcca ggcagtggt 120
 cacacctgta atcccagcac tttggaatgc tggggcagga ggtacttgc aggtcaggag 180
 ctcgagacca gcctggagta tagggagacc cccggccccc cccgcccattt ctacataaaa 240
 tttaaacatt agccagggtt ggtggcctgt gcctgtatgc ccagctactc aggaggctga 300
 gatggggagga tccgcttgag cctgggaggta caaagctgca gtgagccatg attgcaacat 360
 tgcacttcca gcctggggcga cggagcgaag accctgtctc aaaaaataaa aaccaaaacc 420
 tactgnacgt ttccccaggg cttcatgcct cagcgn 456

<210> 52
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA025930

<220>
<221> unsure
<222> (1)..(358)
<223> n = a or c or g or t

<400> 52
gccaatctgc tcaaacacccc agttggaaca ggaatgcctc gtggactggc tttaggagtt 60
taatcttagat ggtttgcgt ttc tagcagc agagcacctg ttcagactct acgtatatgc 120
acccatgaat ggtgcagctg ccaagagaac caaagctaaa tggcggcagg atcacagcag 180
gtgtggaggg gaggtcacta gaaattccct ggagactcag tcgttaccca ctcaactgga 240
aggctgagca tggcttttc ctctgatggt taccatgcc angggccac ctctccattg 300
tccaatgttc ttctttatt tggttgggt tttgttgg ttttagaga 358

<210> 53
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA026030

<400> 53
ttttttttt taccattctg gctcacaact ttaattgatt gctttccctc cactggcc 60
caccgggtcg gcttacatag ctcatacgctc agtgctgctg aaatagaccc agggcaagaa 120
aggttatgaac aaccagtgaa tgccactgga gcataaaatgt tcacaaaatt gtagagaagg 180
ggtgacaaga agcaagcagt ggggcaggga gtgtcactga tgtccgaaac cccgggtcag 240
accaacacgcg agcacagcca ctcggccaga gagagctgaa ccatgccatc cttgtctcg 300
tccagaaggc tgaatagttt gaagagggtc tccaggcggc tcataacaagc cacgaagctg 360
tcaaagttga tgccaagctt tgctgcacgc ataccgcagg gcaatggctc gctgcacctg 420
gctgttggg gtgaaacctg gccttcctga gggctgtcct catctcgta 470

<210> 54
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA026092

<220>
<221> unsure
<222> (1)..(313)
<223> n = a or c or g or t

<400> 54
gtggcatgca gacttgattt tgnctatgga tagggttaca tacttggggt ttncccccta 60
ttattaagggt atgttttgt gatcaaggga tgaggcattc aggaggaagg ttagggaaag 120
atgctcgcat ttatctanca ttgtatcaaa gttggaggca gcagctaaag ttaagagttc 180
catagactcc tgcctgtgc acctccttaa agcgatacat ttaacgttt tcctcagcag 240
gagcttgaat ttaacaatga atccagaaaa aaagagaagt cataataaat cacaacant 300
atgaaaaaca aca 313

<210> 55
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA026150

<400> 55
 ggagactgga tatcatctt attaataat gccacagccc aatgtcttt ttgttgctgt 60
 agcaaattgt gattgtgtgt gcgtgtgtga gtgtgtgtgt gtgtgtgttc ctgaacagat 120
 gaagggccag cagagactcc caagcaggc tcagccaaca actctgttga gcagcaactg 180
 gaagatagtc tccatagagg cacagaggcc agacttctgc ctccatggc attgatcctc 240
 tctcctgggc caccttcgt gcattgaggg caaggctgag gcctgtacca gcccagatta 300
 aaggacttct aagcacaggt cagcctccag ttcccagtac tcactggcct ctgaccagag 360
 ggatgccctg ggttagagtat agacttccag gcagagg 397

<210> 56
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA026270

<400> 56
 caagtttcaa tcatttaatt aacatctta aatgaaaacac agtttcttc atgtgtctca 60
 ctcaggcttc agggcagagg gaatggatt ttagacatat caaagactca aaaatttaaa 120
 gaaatatata tatgtatata tatacttcta acattttatg gaaattaaaa atcagaggct 180
 tttgtctct ccatttactc taggtcaagc tcatttaccc cagaggacaa agaagggctg 240
 cctcttctag accctccctt ctcccttgc tcctgtccca cccagcaggg aaacaagctc 300
 agaagatcct aacaggatag agttccagta atgtt 335

<210> 57
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA026356

<400> 57
 tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
 tggacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcatc ttccctataa 120
 cattaataat ctaagaataa ggaggtgaaa aaaaccctt aaaaataaca ttgctccagt 180
 ttgtctgcag gtatgtgatt taaaatatcc ctgtttatt gaggtatagg ctgcaaactt 240
 tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

<210> 58
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA027766

<220>
 <221> unsure
 <222> (1)..(434)
 <223> n = a or c or g or t

<400> 58
 ggttgttaat atttatattt ctctcacata caatgttgta tgagacactt gtttaat 60
 gtatccatag gattaatact catatggagt ataatgtgga aaagtgcaga actaaagaaa 120
 taagtctatc cgaaaaacaaa agcacacatt tctcaggatt taaaaatatt gcacatagta 180
 aggttgcaca gaaattactg gctggttta caaacagaat gaggtatcag tcaatctcta 240
 gataaagatg agagagaggn tatnctacac acacacaanc acattnntcc atnctaagac 300
 ccagagtgcc aacaacttng aagaaatntg aaaaagtatg ttagtagtnt gatttcaaca 360

cttcaaaatc attttnggnt gggacccnac anataacaact ctngggaaat tcngngaaagt 420
ttcancttt ccag 434

<210> 59
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA027833

<220>
<221> unsure
<222> (1)..(392)
<223> n = a or c or g or t

<400> 59
tttttttttg ggtgcaagga acattttatt ccataactgt ctccaccgaa gccgcagaag 60
caaaggccagg agcagaatcc attctgccag cgctgggctc tggggagaca tctgtccct 120
caccatggag gacagaaggc agggggctccc gactccttgg tcctgcctgg ggtgctcctg 180
tcccttcttc ttgctggggg acctaccca ccctccccct cccacctcag ccacagagga 240
acaaggggaga caaactgagg gctctgcagt ccccggttcaa ggccaacata atagtcgtgt 300
ggcccccagcc cagctaggcg catcctctnc ggcatggcag cggtgaccaa gcacagccaa 360
cgtcagctcc gtcctctgccc gtctgagagc tg 392

<210> 60
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA027946

<400> 60
aagagttcat aaagggtggga gccaaaggggc cagagcaaat caaaaagctgc aaaggcgcca 60
actctggctc ccacactatt tattgagtag aatcaacttag atctaagaag cagatgttca 120
gggggtgaaac agtggaaaggg gggcaatggc agtttaggta cattttcttt gtgctgaagc 180
agcataaaact taactactga tttattcttt tacttatcag agagcagctg tggggagtgg 240
gcctaactag aagccagcat atctggccac attccaatgc ttcaaaggag tgcctttctc 300
ctttagcaca gtgttatag ataagagagc aggtcacact ctggtcataag gaacgtgatg 360
gcaatttagga ggcttccttc ctcagt 386

<210> 61
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA028103

<220>
<221> unsure
<222> (1)..(484)
<223> n = a or c or g or t

<400> 61
cagttgtttg ttccctttaa ttaacatcta aatagattat acatcttcta taattataat 60
atggaaatgt atatgagcaa aatatataaa ttttttgggtg actgctttagg gaagaatgtat 120
gtcagtgaag ttcatccaag gtcttaagca gcagcatcta tgcagccagg gcgtggtcag 180
cgtttgggggca cagaggtaaa tatccgcaat ccatgcatct ctttgatttc ttcttttagt 240
gcctgattaa ccatctgggtg ctgctggaca gttctttctt ccttaaatttc ttctgattca 300

attnaaattt catacatccg ccccacaacc tcctgaaaatg tcagtgactt ttatagttgt 360
agctcggtgg aaactttct tttgagaatt tgggtcactc tgagctcccc ctcagtcga 420
gtggcaaaca tccgatggtg aagtggaaac ccggggatcc cgnaaggggg gaggcgctgc 480
gcaa 484

<210> 62
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA028132

<220>
<221> unsure
<222> (1)..(322)
<223> n = a or c or g or t

<400> 62
tttttttttg tgggagaccc atttaatgtg gacactcaag gcctggcag agtggggagc 60
gcccgagggt tgggtggca ggcaagtggg tgggtgcag gcccacttt ggccccagga 120
ngnatgccag gtgggggggg ctggcccaagg taggaaggg ganncccaagg caggaagggt 180
ggcccangca ggcagaccca ccagggtcc ctgaaggcca gcccctgaga aggtgtctaa 240
agccaagggg gtgagtgc aaggccanga gcctaaccac gnggaggcaa nggtttgggt 300
cccgnttgg gggctcttng ag 322

<210> 63
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA028976

<400> 63
gtgaacttagcc accccactc ccaaacagga aaccctggtg aaggttcagg aagcacggag 60
attctctcca acaaagggtcc agttaggaaa cgacgctgag aggtatgacca caacgtgca 120
cagcagaaag atgcttgcaa gcagagtcag ggtcaccagt gaatgccaca aaagttctct 180
ttcccactgt ttaatttgac aagagaagaa tttgaaggat atgaacattt tcaagaactc 240
tgctgaggtc acttagagcg ccatcacaac ttattttgt gactaattgc ctagattgt 300
agctctttga gggcagggtc tgtctttac acatcttat aatcccctgc agcggcttc 360
agtattttgt actttaggc acctaataaa tttatttattt gc 402

<210> 64
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA029215

<400> 64
gacagtagac aatgttgttt atttaaaatg tttactccaa gaaatatata tataaaaaaa 60
ataataagac aattacagca ctaaacccagg caccttcgac caaatcacaa cctccctttt 120
gattccccc tcacgctaagg ctctttcaaa ttctttcc tgagctggaa gaccagtcag 180
atgcccgcag tcaagcgcca agcacattcc caaccgggca actgtgtacc tttctctagg 240
agtgcacgac acccttcccc cacaactcct tattttaaag gatttaaccc attaggaagc 300
ccatgtttca atctaagcca gaaggagctg cgggacaagg cagtcttcac tttgaagggtc 360
cctttccctgc tccagtcctt ggggcttaggg ttctagaaga ggctggctgc cacgtttaca 420
tgag 424

<210> 65
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA029288

<400> 65
acatttgcct ggttttatt gagtggatct ctcacgacaa aatcatgaat attacactga 60
aaggcttatt acattatctt tgtgttagtta ctctccagta taaaccctgt gatgtccgg 120
tttgatgcc tggtaaaaag cttaaagcatg cacgttacat ttgtatgggt tcataaaaaa 180
agttttgtat gccttagtgag actttggcct gcggaaaatc tctatcacat ataattatta 240
taaatgctct ttagtatggta ttctctgtat ttgatgaatg tttgaagtc taatggttc 300
ccactctcag tgttttgtt tctctcaagc atgaattttt gcaatattgt acaatgtgag 360
aattgtgcc a aagacccctg ccacattcat tacatttggtt aggttctca ccagcaagaa 420
ttcttgaag aatcctggc tcagattta ccttaagacc ttgccacatt cagtacatta 480
gtaaa 485

<210> 66
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA029356

<220>
<221> unsure
<222> (1)..(422)
<223> n = a or c or g or t

<400> 66
gctctcagag gacaagaatt atgtttatt cattttggag tacataggcg gtatttaaac 60
aatggtgcta tcttaaacac caaatatcaa ctgcagttca cttttccgt gtggggacta 120
atatcaagat ttcatatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
taacttataa agcattcatc tgcattttat aagatattac agtaaataca attaggtact 240
taccattttt tctttacttt aaaaacaatg cctntccaa aatataaaaa aaagacctat 300
ttttaaagan ctatttaaag atngctttt aaaaacaacac ttttatntt cnacaaatag 360
atggtagtgg caacagcact cgtggatgtt tacgngtaaa taaaaatacc tagtattccg 420
gg 422

<210> 67
<211> 186
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA031360

<220>
<221> unsure
<222> (1)..(186)
<223> n = a or c or g or t

<400> 67
aaaatttaaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60
tacattcaaa attttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaaagc nagccnttag 180
ggtncc 186

<210> 68
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA031543

<220>
 <221> unsure
 <222> (1)..(501)
 <223> n = a or c or g or t

<400> 68
 tttttttttt ttaaaataaaa atgttttatt tgtaaattat gtacagaata cactttacgt 60
 tacgccaatg aaannnnncn ggaggaggga gagccatcac cttccaacaa atgctgtca 120
 ctttctctgc tggagacgac catcttcctc tcagtcagac gtacaaaatca gtgtggattt 180
 cctacattgg aaaaataatt tagctaaacc agaagtgtt ctgcattgtt actagttggc 240
 ttgtttccac aaaatagttt tgaactctgc taactcagaa tcttaaaaaga aatctcctgg 300
 tataatttttta taatgaaaaaa taaaaactat caaggacaat gagtttacac atcttaaaa 360
 aactgtgaaa tggctacata actatgcata attgtgaaaat gttggagtt cttgttccc 420
 tttaaagggtt atntttgatt agtctaacag taaaaagcca taaaactatc caaaattgcc 480
 attaatgtaa atccncgtgg g 501

<210> 69
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA031548

<400> 69
 ttttttgaa agggaaaaaa atttttttaa ttacaaaactc aattcatttg gtgcatttca 60
 aagggtcaat actttcttc atttatcagt gaaagaagtt agaaaattaaac ttcccaaaaa 120
 aatcagcaaa tggcaaacaa atgtccttga aagtcacagt cacatatagt gcgtcctaga 180
 aaagaggagg ggcaagatgg gctccaccca ctttcatgag tttcatcaaa tactggatct 240
 actcaagggtt ggagagaaaaa ggcaactttc aaaaaggagt atgttattaa atgaggcatt 300
 tactatactc cttcctaaga gcaccagatg gggAACATGT tttctaaact agatcttagga 360
 agtggaatgtt ggaatcaatc cgtcctcctc cccttaaggg ctaaccactg gttaatgaat 420
 taaaaaaaaaca agactaaaaaa acaaaccccc acacacactc cccc 464

<210> 70
 <211> 164
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA031814

<400> 70
 ccataaaagca gtttattttt cttaaaaagg aaggtacatg gtcacagtcc aaaatgtttt 60
 atacagctct cagcctggaa aatgcaactg atgaaaaagg cactgtttct agaacaatg 120
 gaaaaagaat aaatatgtca tcatttaccc tgcacagctt tgag 164

<210> 71
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA032005

<400> 71

gatagtgttttatt tctgtatgccca atcttcttca gaggttaaga agaaatgaca 60
ctgtatgtaca aatgactcac caagggactc tcacctgact ctacccttgc aggggtggaa 120
taaatccctt ctatttcaa gtctatttgt cccatattctg ttagacata atttggaaagc 180
cagcttggac cttgtacttt tcaattatgt taacgtaaaa tactcgtaac gaatgttaga 240
tgagttaaa gtgagctttt cagatcctat aagtgcattcc taagtaatga caggcttaa 300
gataaggaat ata 313

<210> 72

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA032048

<220>

<221> unsure

<222> (1)..(550)

<223> n = a or c or g or t

<400> 72

angattacca gctccggacc cagtgggg ctgtcgacca caacaccccg gcctcggct 60
tcctgggtgc agcaccagg gacacacctg ccaaaccac cagatggagg ggccctccct 120
ggctctggc caccctcca gcctctgccc agggacccct gccttccccca ggccatctcg 180
ctctgccgtc gacactcgtc tcagaagccc ctttccaga agaggctggt cttcaagaag 240
tctcgttct ttgcccctga agtcatgtt caggggaagg atgtgaaatt tttccgtgt 300
gaggttacag ctttttatgc tggtgagctc ccaggtacca aaaagcttg gccaacgctt 360
gccagccagc cagctgcagg tggcatctgc aggaaggaag cgccagctc gccaggccag 420
caggggcgtc gtttggcattttgtt aacgttatgg gtttatgggt gttcctggaa 480
cttgcattgtt tgcatcggt gctgtttgtt ttaccctcac tgtcccatgt tccacccacg 540
tctacggcan 550

<210> 73

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA032250

<400> 73

aataatactg tcatgtcaca gttggcttat aacaagcatc aaaaaatgt caaataatct 60
gtgccttcta aaatccacta atgtaacatg aaaagcacaa tttgacatca acccggtcag 120
tgaacccagc tggttacta tagaatcctt atctgctttt tggattact gatctctcaa 180
aatctgactc agtttacttc tagccaaat ggaaaagtcc tcaataagcc agggaaacagc 240
cctccctttt gatgtgtgtc tagtctacaa aggtggct tctgggtac catttgtgt 300
ctcccagacc ttccctgtc tccctcagtg tctgtgcccc acaataaca aaaggccacc 360
tggacacatc ttccttacc tggaaacccaa agcagctctg cttccatgcc tgcctgggg 420
agctacctgg gcagacagct ggaaaaagca agaggagacc caggctctag ttccaggcca 480
gcatgcaggc t 491

<210> 74

<211> 106

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA033790

<400> 74
 gcaggtcagc aacaagttt tttgcagct agcaaggtaa cagggtaggg catggttaca 60
 tgttcaggtc aacttcctt gtcgtggttg attggttgt ctat 106

<210> 75
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA034030

<220>
 <221> unsure
 <222> (1)..(433)
 <223> n = a or c or g or t

<400> 75
 aaactttttt tattttacat tctgggaac atgtgcagga tgtgcagatt tgtaaacag 60
 gtaaatggca actttcccttc tttagtgagc aaatcttca gtaagcaaag tacaggtgtt 120
 ctctgtgata tttttatattt tgcaatttat gtttaaggag caaatctatg caaggtagca 180
 tctttctaga tcngggaaagt tgaattcnntt ctatacaca gacctacact cacagttgac 240
 atcaccattc tatgacaaaag ccnctaacta caacccaagc actntttatt taaaaggaat 300
 gttcatcaac atccactctc cttggtcttg agccaagccc agaaataaca aggtcagatg 360
 gtcatgatca ggaagaaaagt aaactcagac ttngaagaaa tatactggcc aattccccat 420
 attcccaccc ggc 433

<210> 76
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA034365

<220>
 <221> unsure
 <222> (1)..(387)
 <223> n = a or c or g or t

<400> 76
 tagcagttca catagtttat tcagcaatat aacaggagag aacctccatt gtaagagaca 60
 taaggcgat acagggtgca tctctgggtt acattttca tacagactaa caaataactt 120
 caggttccac aacatgttagc aagtatgatt tgttgcacac caacagccat tcattcctca 180
 cgttttcctt gctaaaagag ccctggtcag gcacggtgcc tatgctgtaa tcccaagcact 240
 gtcggaggc agggcagggtg gatcatctga ggtcaggagt tcagccattt ttttgnatt 300
 tttttagaaa gaccggattt tcactccaca ggttattgac nttaagtgnn attaacatgg 360
 accccatnngg cacctaaact ggctnngg 387

<210> 77
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA034378

<400> 77
 gagtaacatt ggctcgaaaa ttccacctgg gtgcaggcgg gctgagtcgg aaaagagagt 60
 cagcaaaggc tggtggatta tcacgttca ttataggttt tggataggc gctgaagtta 120

agagcaatgt	tttgcagaca	gtgggtggag	ctcacaaaagt	acattctcaa	gggtggggag	180
aattaaaaag	aaccttctta	agggtggggg	agattacaaa	gtacattgtat	cagtttaggg	240
ggggcaggaa	caaatacaca	tggtggaatg	tcatcagttt	aggctatTTT	tacttctttt	300
gtggatcttc	agttacttca	ggccatctgg	atgtatacgt	gcaagtcaca	gggggatgcg	360
atggcttagc	ttggggctca	gaggtctgac	agttatcacc	taagattctg	acttttaatt	420
atataataaca	attggatat					439

<210> 78
<211> 343
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA034499

<220>
<221> unsure
<222> (1)..(343)
<223> n = a or c or g or t

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<400> 78
ctaaaaccac tacatagaat aatggcaact ttcactcaca gattatttac atggtaatac 60
ccagcgtggg tacactgcta caaaactcan aacagaagga gtaaacttga aatgttttc 120
ataataaaaga tctagcagca tgactatcta atgctgtttt atcccgattg cttctgcac 180
gttcctttt agtctgtgtc ttcatccagt tcataattgt ctatccatata aatatctttt 240
actagaagaa cccgtacaag catatttcc aagggtgttc ggtccagtga agtagacgta 300
taccagacag ggctatctgt agaactagag cattctgggt tgc 343
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<210> 79
<211> 464
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA035245

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<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or q or t
```

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<400> 79
tttttagtca tgaattattt tagaaaaattt ctttcacta tatggataa ttctgttgg 60
tggatagaag ccaagttagg gtcacatgca agtcatcacc tattccattt agctggatgg 120
attgaagaga cagagtaatg acgaatatca ccctagagga aaccaattag tntttataac 180
attgaaaatg atttatacgat tgcttaagca tatctatcaa atctaaatgg aataactttaa 240
atcagctcca tagaaaaagca acactgtggg atgatttctg aactgtggaa actctgtctt 300
tcagatctag catcttccag cacagagata ggacagattt ccattctggaa agaggcactc 360
tgttttctcc agaagttttt catttgattt cagatgggta cattccaagg aaacgttaggn 420
tccaggttca tcttcqqaatcatttttgt qaacttgcct tccc 464

```

<210> 80
<211> 173
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA035457

<220>
<221> unsure

<222> (1)..(173)
<223> n = a or c or g or t

<400> 80
gcaganactn gagctttatt tacaaacttc cacagaatcc ctcaccctcc accccagggt 60
cctccctctc tggaactcag gcagcagaca agcttggtc caccacatcg cccaacctag 120
gacagctggg cctgagctgg gcgggcaggg gattccatct cctgggtggg gct 173

<210> 81
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA035540

<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t

<400> 81
ttcccaaagt gctgggattc caggcgtgac acccgccccc ggccccacagt tttattctt 60
acaggaggc agtgcccatc atgttccctg tctacagaca aataaaaagc tgctctctcc 120
agagggggcgg canagtcctg atggtccagt gagaccaga agcttccagg agacccatcg 180
tcccggatc ctttcagtca tcatacttcgt agtctgactc ttctgtggac tcagatgcgc 240
tctctggcaa gtcgtctccc atctgctgga accttcccga ctgtgaatcc cacatgtatt 300
tgatggtcac cttgaattca gccatctcat accaaaaaag cttcaggacg cgaggctgct 360
ctggggtcag cacatcgccc tccttgacaca cctcgtaagt cagacagcag aagtcac 417

<210> 82
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA035638

<400> 82
aaaatttcaa caagtatttta ttcttaaaa ttacttaag ggatttagagc taatatataa 60
tagaacatt aatataacat ttggagttat gtcaacataa aaatagctgt ggttacaatt 120
agcacatgca attcaactgca aagttaaaaa tacatgctat actctagaca agccttccaa 180
atgaagttag agtagatggg gtaaaacagc aagtqaacat gaaaggattg cacttagaag 240
aaagtggac atagcttagga tataaaagaa acataccctaa tgcttagtcg tcactgcatt 300
gtcctactag caaatggcac atttattttt agatgtatatt caatacacat acatattga 360
gactagagaa ttcttcaaata tctaccttg aaatatccct ttgggttcta acacatcaca 420
ttatggtatt aatgtAACAG cactttaaac ctgttagtt 458

<210> 83
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA036662

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

<400> 83
acaccggcaa cacataactt tattgggttt cttgagctct gtttataata ataatatgaa 60
nacncnngt nanaagctnn angtntgana angcannnn ncannnnntcc cgccccccaa 120
aagcattac catatgcaag gcaccatgtt aaacacttga gagatccaca acaatacata 180
aaacaacatt ccaaattcat gctgagcact ttttctgaa acacaagaac aaatctgaaa 240
agtttaggtat gtgactgtcc caaatttgg tattatcata cagtcagga agaaaaacagg 300
gataggtta tccctgaaat ttatacaact tcccattgct ggactagtna ggtttcatn 360
ggaatttt cttctccctt taaaaaaaggg cttaatggc ggnntttcca ttngggcacc 420
taaaaaaaaaac ccccccncc ccaa 444

<210> 84
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA037058

<220>
<221> unsure
<222> (1)..(393)
<223> n = a or c or g or t

<400> 84
aaannntac aaatattcan attttattat aaataaaaata ctgttttct taaaacataa 60
aaatgc当地 ttttgcattt tattaaccac cccngaganc aangctgtag anattaaggc 120
aaacagctaa agtgaaggca catataaaaan gtccacantt nnaattcaaa ggaaaaaaaaat 180
tcagggaaaa atagcagttat aataatccct gtgtcaacca gcattctgca ncancatcc 240
tgtcaattac attacataaa atacagataa ctggagctag acaataaaaat aatggctgtg 300
ttgc当地 gtaatccaat gtatcatctt gtaaagaacc ttttattta aaaaataaaa 360
ttctgcttaa aaaatataacc acacaggtgg gng 393

<210> 85
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA037357

<400> 85
ggagataggg tcttgctatg ttgttgccca ggctggctt aaacttctgg cctcaagtga 60
tcctcccacc ttggcctccc aaagtccttg gatccaggc accagccacc atgc当地ggcc 120
acaaagacta tttataagg aaaaatccctc aaaatgttac ataaagatca catcacaaaa 180
cttttacata cagtgttatt ctgatttatt tttgaagggg taaggagaag gaaaatataat 240
cactttaaa acgtggaact ttcaatttgt tgt 273

<210> 86
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA037433

<220>
<221> unsure
<222> (1)..(498)
<223> n = a or c or g or t

<400> 86

ttcagttcaa tacagcacac ctttatttag cacctaagga tctangctgc canaggaggg 60
cagagtcgac aaaacagtgg gcaggcctcc cctgcagctc tctgtgtctg tgatgatgga 120
gctgggttgg ggaaatcctg ctgtgacatt tgccctgacg cagttccgca cagcatggtg 180
gcttccaagc tatgctctt atgggcaccc gtaagagctt ctacatgcat tagagatgga 240
gcctctccta tcttgcaag ctttgtgt tcttccctt aaatctgcca tccacggacc 300
tcaacaggag aataatttgg tcttcagtt gctctgttt agacaaaatac ttcacatgga 360
ctggatgtaa actgttgcatt agtttcgaa aggcttcattt attcattctt gaaattctcc 420
atcagtcaca aacacaaattt gttcagtttcc ttggaaatttcc aaagccctt cctcaaaaca 480
gacatttctc ctcgtgcc 498

<210> 87
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA037766

<220>
<221> unsure
<222> (1)..(551)
<223> n = a or c or g or t

<400> 87
ntacattatg gaaatttatn ctcctgaat gtataaggca ggagactaat tcaatataca 60
ttcaatatgc agaattctac aagttctgg ctatgtgtaa atgtgcccccc cttccctcca 120
ttatcaggat gtttaatgt gtttcctttt tttcatttaa aactttgtt agatgtttta 180
cattgcccattt acctcttcctt gaaaaaaagg tttgtcccccc accccaaccc ctaggagcca 240
ngcagactat cttncgttgggg ggcacaaagc acactccac ngtggagaac aaggcagtg 300
gatgaaggaa acggggattt ttcaaaactaa tttttccctt caaacaggcc tccccggcgcc 360
ngtttagactt gaagcaatga catctattaa aatggggacc ccagctgggg gttttagatg 420
ttngtttaag aatgtatgacg atatcttggaa aagaaattctt tggctggggaa tggngtaggg 480
gaaaaaggaa aaaaattaat tattttgact ttccattgg caatgcttgc tacgtttaat 540
ctgatttgcattt 551

<210> 88
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA037828

<400> 88
tttataatataa gaaacacttt aattccttagc cacttggcag cacttaaata tcagagccat 60
ccaagcatgc cagcccttga acttgcttag caagagttaga tgatcacaca actcttaagg 120
taaatcaaaa ttagatgaag gttatattttt ggtgtgactt ttttcctttt gtgagcttcc 180
tttacacagc atgggtttaaa tagcatcaga ttgaatggaa agtttggtaa atgcacccat 240
aaataattat aataaaatata catcaagttt ctttacagca cacatttttt agggccaagg 300
tttggatctg tctggacccctt aatgtgctctt cggagaagca gccacgttag cagcagatac 360
cttacagctt gtcatctactt caagtgtatgg ccaacagaag cttctgaactt cttccgggg 420
agggtagctg acaagggttcca ttcaagggaa tgagggaa 456

<210> 89
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA039335

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<220>
<221> unsure
<222> (1)..(452)
<223> n = a or c or g or t

<400> 89
ttctcagcat tttcaaaggca ctttatttag ttcctgcgcc atcctgngng angctggccg 60
cactggggga atgggacaca atcttgcctt ccatgccccca gccactctc cactgcggaa 120
tcaccaagga gggaaagatg agtcccttag caatcaggaa acggtgtgtc cccgatcca 180
ggccaggtag taggcacat cggtgttagac gcctggctt tgcggtcac cacagccccga 240
tccccagctg atgatgcctt gcagggttag ccggcgctc gcaagcttgg tcctcacaca 300
ccagcggggcc tccggaatca ccctggcacg catcggtgcc gcccctcgagg aaccctgcgc 360
agagcatgcc ggggaggatg gaggatccgt gcacgtccgg ggctgagcag cgctccaggg 420
agaggaacgg tacctgcgcc ttccctcgta cc 452

<210> 90
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA039616

<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

<400> 90
ttcaaaatcc ttatattttt gaccacataa cttatgttcc cacatgataa aacaagtgac 60
agtttaatc aatgtcaaca gataaaactcc atgaaatgaa agtttgtgtc gtttgatgaa 120
tcacagtatg ttatgtttaa atatatccac tctttttat attcctggca ccagatgaa 180
aaaaaaaaat cttaaatat acctcttatg tagtaatag cttcttgca tatctctt 240
caanaaaatac tttatngcag tatataaaata gggttaccta cacatttcat tttataattt 300
tgtcccaaaa ctatacatct gtttcatttt catgacatata caattttgc ccaacattaa 360
taaagctgac aaactcgggtt gaaatggaa atngttttt gtcttcccac aacaaaagta 420
gcnatttt 428

<210> 91
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA039806

<400> 91
gagattgttc tcatttccaa aatcgtcaga caccgatttc tctgcgctt tcttgccctgg 60
tgtcaggaca gggaaaagct atgcaggaga catgcctct agctctgttc aactgtcaat 120
tctgctgggg accctagata aatctgttaa cctctctgccc ctcagtttcc ccacattttaa 180
ctcgagatgt tagatctaaa tgctagaaga gtactaaggg actcttccag ccacttttg 240
gcagggatca gacttcggag agtgaactca gggagcaaaag aggtgaaact ggagcagtgt 300
gagggttaaa gggaaaggcgg ctggcggtgc cgagcagggg agcacgtcgg gggtagcga 360
ccagggctgg aggaatcggc tggcccacag gtggcgacc tgggaccctc tatgtcaggt 420
ggtacatgct gtagccacata tggccgtgt agagtcc 457

<210> 92
<211> 471
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA040087

<400> 92
cattttgt a cacaaggcca aggtcttggg ccacagacaa ggctatagat cctacgttcc 60
agcttagagc attcagctt ttttttctt tttttctcca acatggaatg tcacacagcc 120
ttgcttcagt cactgttaat actagaacaa aataggctt cctgcagtt tttcttggac 180
gtaagaagta aaacgtttt aaaaatttagg atactctcg tttgccactg cccttaacac 240
tgaggcttgt gcccatttc cagggttcac attagctaca tatgtaatct tgcatagaat 300
gttgcctcctg ctaatttctt gtgtccctc ttgtgggctt accaagggtt gacaaatcat 360
agcaacattt attttggcac ggacacatcg gttgtttaga ggagcactgt catgatccac 420
agaaaaattt caaactatcc aagtttcagg gtcatttca gtcaaggctg g 471

<210> 93
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA040270

<400> 93
gagatattca ctatttgca gtggctgaa actgaaccca caataactac aaggatgtct 60
tgtaaatacc ttatttttaa caaaaagtga aatgatttc cctgttattt actaacaat 120
agaccagaca ttgcattcag acagtggaca taaacttctc tgatcaccc tcaagagaca 180
tctccattt ctctttgac ttcctcaag atttctgtt agacccaaact ttatcttcca 240
tatgtctcac aggtcagtgt tcataataac catcagttt acaacagcaa ttatgttcaat 300
ctcagagtga agacaaattt ccgtttctg agtagaggc caggatagg cacctggata 360
ctcattgaaa ctaatgattc tcaacttctc ctgccttcaa ctcaccagag gaatattttaga 420
catccacttg ttatgttca 440

<210> 94
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA040291

<220>
<221> unsure
<222> (1)..(463)
<223> n = a or c or g or t

<400> 94
ttttttttttt ttcaacaaaa ctgcagttt atttcagaaaa atgttaaaaat atatattttat 60
acatcaattt ctgacataca cttaatgtgt tagtatacac aaaatgtgc tttcttttga 120
aactgttattt angaaatgtt cattttaaatt taaataactca gtatacactg cacttaatct 180
gcattgttgc tttattttttt acattttttt ctgcaatgtt acaaaaacgtt ttctgcatac 240
gaaattcaaa acaccattttt aatgaacaa aagatggctc actttttttt tttttttttt 300
acaactagng tatngtacac tagctcagct ccacccaaact acctgntcgt tcncctttat 360
ttgacattgg ttcacagacn agtacatatt acnataagag tgcnnggataa aaacctgnggg 420
tacgaaagtgg ggttcccagg nttttagggn cctggcagga tca 463

<210> 95
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA040465

<400> 95
tttttttttc taacacttat gcatttattt tcatgtgtaa gaagaaaaac gtaacttagca 60
cgtgaacatg actgcatttgc tacacggctc agcacgaggc taaagtccaga agtgagtgaa 120
aacaaaatag catgttgatt taagtgtaaat aacagaacag gagggcttg tttataaca 180
tttgtggagggt ggtctgtgaa tgcagaagg tggactccc tgctctagc tcagggcaag 240
acgctgtggt ctggccgaa gcccttgggg ttctacagag aagcctgccc agcgacggc 300
ccctgtggca ttctcggtgg gacg 325

<210> 96
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA041208

<220>
<221> unsure
<222> (1)..(494)
<223> n = a or c or g or t

<400> 96
gagtccagtg gctgcaaagg gcatcccgaa acgtgatgcc gctggggcac ggacagcc 60
ccacatgacc aaggacatgt tccccggggcc ctatccagg accccagaag aacggggcc 120
cgccgccaag aagtataata tgcgtgtgaa agactacgaa ctttacccgg atgatggcat 180
ggggatggc gactacccga agtccctga ccgctcacag catgagagag atccatggta 240
tagctgggac cagccgggccc tgagggtgaa ctggggtgaa ccgatgcact ggcacctaga 300
catgtacaac anggaaccgt gtggatacat ccccccacacc tgtttcttgg catgtcatgt 360
gtatgcagct cttcgtttc ctggctttca tgatattcat gtgctgggtt ggggacgtgt 420
accctgtcta ccagctgtg ggaccaaagg agtaccccta caataatctg tacctggaac 480
gaaggcggtg aatc 494

<210> 97
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043111

<220>
<221> unsure
<222> (1)..(245)
<223> n = a or c or g or t

<400> 97
gaaaggccctg tctactgtct ggagttcaac agccagcaga ctcagctttt ggctggggc 60
gatgccagng gcacagtgaa ggtgtggcag ctgagcacag agttcacgga acaagggccc 120
cgggaaagctg aggacctgga ctgcctggca gcagagggtgg cggcctgagg ggtccccc 180
ggcggtgtca agccttcgtt gtgccgagcc ttgtgtttctt gacgcaagcc aatgaagaa 240
aagca 245

<210> 98
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA043501

<220>
 <221> unsure
 <222> (1)..(590)
 <223> n = a or c or g or t

<400> 98
 atatgcttc aggttataat tttagtgcaat tcagttccaa atactttaat tttgaaaaga 60
 aaaaaaaaaaca tacattttt aatgtaaaat acccctacag atataaacag gggcgttcc 120
 cctcttaata ctgtggttt caatacagtc agtggatag caaagactac acataccaa 180
 ctatattta agttgcaagc acatgctgta taagctactt tttttaaaca gtcccctgc 240
 aaactctacc ccccttaaca tcacaatagt aaacaattt aatgtggat 300
 atctacagct aaacagacct aactcttca aatttatcta taacattcct ttatctgttag 360
 catacatttt aactgggcta acagattata aaaactagaa ttaaattata tactagaaac 420
 ccagagcatt ccacattga caatgaccaa aagccaaaaa atataaaaata aaaataaaaac 480
 aaaccaaaaaa taatggggcg ttccctttt aaaaaataaa ttttagctgc ntctcggnnaa 540
 tanccaattt aggncccaag tggggcgcca tctattaaag gnacattagg 590

<210> 99
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA043790

<400> 99
 ctttagtatat actttaatgc atgtttatgt gcaatcttgt tagtgggtat acaagttgt 60
 gaagaacttc tcatttcaat aggtagttaa tgtaatgcat taaaagcctg ggaatttggg 120
 gctatatttt tccttctga ctcataataatc ttcaaaagaat tcataggaaa gtcagttactt 180
 gcagacaagt ggtagcttg gctaaaatgt acaaaaacacc cagaacccac aaaacactca 240
 gaggtttagg agaatgtttt aatgtttcaag aggtaggttc aagtggaaaga ggtagtggaa 300
 atcagtgtct ctggctgggc agtcaagaga gcgggctcaa attctgtgac tcacttctct 360
 gtgtctccgg ttggaaaatg gaatggggta tcctgggttc ccaccttcc ccacacg 417

<210> 100
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA043944

<220>
 <221> unsure
 <222> (1)..(444)
 <223> n = a or c or g or t

<400> 100
 ttaaaaatac tccttttgt aagtctttat ttttagttg ctcctccat agtaatgcac 60
 tgaaaggcat aacagtttat attgtacaaa gcatgttgaag aaagtaccc aacttgcata 120
 ttatccaaa atgagattac aaacaaaaag aaaacaaatc tggttcctca ataaaggca 180
 aaataactga atacagtctg ttatccatct ctctttta acataagtt gggaaacactt 240
 cattttacaa ataggattaa catgaacata acatcgacaa agcttgcaga caaccagcat 300
 aaaatatgga gtacagttt taatcagaag aatcatgctt ccatgaaaga aattataatc 360
 gtttatacaa ttgaatcgat ttcatgttta caaaaactaa gttgcaccta ttcgtatata 420
 gttcattaag aaggaaaaacn aaac 444

<210> 101
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA043959

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<220>
<221> unsure
<222> (1)..(398)
<223> n = a or c or g or t
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<400> 101
aagaatctaa agtgtggatt ttattccatt gcacaatttg ctagtgtatt tcctgggtag 60
tgtggtctg aataaatagg agtnnnnnnnn tgggggtgggg tgggttaaggg attcagataa 120
gccagaagca gggtgatttt tagttgaat tgtaaacttt agtcagcccc cacacgctgc 180
tggggaatgt ggaatgttct agctctgaga tguttaactga gaaaagagaa gtcaaacaaa 240
gccgatacgt gcagccctgt ctacagaatc cttcattatc cagtttaatc aggagttct 300
tggtcttttta ttaacttggg cccaaagaag gaattcaagt cctagataag taaatcctca 360
atttqctgtt ccctgaagta tggaardtgg 398
```

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<210> 102  
<211> 441  
<212> DNA  
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA044095

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or q or t

<400> 102
gttttggaat ctgctgtggg tccttcctcg ttgaccattt ggtaacttat aatctgacaa 60
aaacttttga gctgcaacaaag gccttgcaga gggctcagga tnngaaagga agaaggggat 120
aggaaaaagaa gaggttaattt tacatttccc cttttaaagta aatttttagcc aactcatcat 180
tctgaaatgt ccctataaaag aatgagtcga actagaccag aagcagcct actccttctt 240
acatagcttc tccaacaggg gtagcaatga cctgtccact tcaaacacag ataaggcctg 300
ccantcctca ttggttaaag gcacaccgtg agactttcag tgggctctgc ttgagaagga 360
aggcagcccc aaggtcaggt atgcaggcat tgcattgtca gtgtctgtc tcagagttt 420
cacattcaat tgcttccaaq q 441

<210> 103
<211> 538
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA044622

<220>
<221> unsure
<222> (1)..(538)
<223> n = a or c or q or t

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<400> 103
ttttgaaaca gagttccact cttgttgccc aggctggaat gtaggggacc ccatctcaga 60
ggagtaggag agatacacaggc caaaaagcag agagctacaa gggagagaac aatcatgaag 120
gaaaaggccag ttaggtgaat gggtttcagt gaaggatggg acgtgaacac ggggccttgt 180
gtgctggagc ttccaaaaat ggggtcaacc cccaggcacc ttttcagatt cctgcctcct 240
ccccacagcc ctctgtgccc ctacacctgc ttttaccta aggcagaact ttgtttcct 300
caaaccqccca ctccctttcc ttatccccca aatacacaaa ccttgcctct tcctctccag 360
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gaaacgctg accagttgt gtgaaccca tcacccacac tcttgaardata tatctggaaa 420
gtgccggaag tgaactgggg gatcctgcn tccaaaacag ggatgggctc tgaacgcccc 480
accacggctg tgcacgcggc ctctggtag gaancgtggt cacgatggct tcagggcg 538

<210> 104
<211> 479
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA044755

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<400> 104
ggagggttgca gtgagccaaatggggccac tgcaactctaa cgtgggcAAC agagaccctg 60
tctaaaaaaatggggccct aaaggcTTA catgaggaat ggtAGAGTg 120
gtcttttgtt taaatttagtt gcattcagca tatATGAATT gtcttaaata ttttggggat 180
actccccccgc ctTTAAACA gggcataaga tctggtaaac tctctgtata tcttcctacc 240
tttcaaaatc gttcttaggg tttagtcaagt ctggaatata attgctgact ataaaAGTTAG 300
caattatgct ttTAAGGTGT tgtcacatca acctaAAGAG aaccatCTAT ggaaggTATG 360
gttGAAACAT ctgttaggaac acagaACTGG gatttcactg agtttaccaa atcaactGTG 420
tqaactgttt ctgcactgct tgctaatqgt ttcatctaat aaatgtttac ttataaaaaa 479

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<210> 105
<211> 507
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA044842

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<400> 105
aaaggatttg ttcccttcag tgacttgagt gtttagtta tgcataagta ttcttagcaa 60
aggaagggtta gaaaggaatt gaaaattaat ttacactagt tgctacttgg gaataaaagg 120
cttttgagg ggggtatgga tattaaatgt tttcgttata tacttatccc tattaaaaca 180
ggcagttgtt tcttgaata tgcctaaata acagtattct taaaatctga cagacaagta 240
acatgtcaat tacttgatat tccttgctc cagtaccaca ggccactctt gacatcccat 300
gttgcctgg ataaagttcc tcatttcaaa cagtatacat acttcttgc agttcattat 360
agtaaggctt aacctgtaaa cagtatctga tggcccacct ataaaataaaa tttagcattc 420
tatttttaat aatttgtatg ccaccaattt gtattatttgc tctcaataaaa tacttagtca 480
tcaatqcaaa aaaaaaaaaa aaaaaaaag 507
```

<210> 106
<211> 174
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA045365

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<400> 106
tttttttttt tttatTTTAC tgcaaagaat atTTTatTTT atacatcaCT agccatgaat 60
tttgcCatt agtactata caaatgCTgc cttagtgCCat tatccaaata gcacaaccat 120
tttacatCCA caattcactt ctataggtaC aagttagaatt ttTcacggag ttTC 174
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<210> 107
<211> 428
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA045481

<220>
 <221> unsure
 <222> (1)..(428)
 <223> n = a or c or g or t

<400> 107
 ttttttcag taatacagat gtctattta ttaaaaaagt tacaaacagg tggactgcag 60
 ggtcgctta caaaatgaca agaatgaaa ctattggaaa aattttactt ttacaaatct 120
 ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttacctt cactgataaa 180
 gttacagttac attagatcca tgataatagg ttacatttt ttatttgcaag agccctactg 240
 cagtgatttg aacaactcct aaatagatgc cataataaaag acaagacata tattgcattt 300
 aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagtt aaaataactt 360
 ttggtcccct ttcttaaaat gtgctggaga aaccaccctt aaaatcattt tccccccgat 420
 tccngcga 428

<210> 108
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA045870

<220>
 <221> unsure
 <222> (1)..(397)
 <223> n = a or c or g or t

<400> 108
 gtttagagtc taaaactaaa acctaattcat ttngtcacag tgtaaaaaca aatggaaata 60
 acagctcaaa tcttcaaaat attactatac cattatgttt aaaataatct acaacaaaaa 120
 tgtaccattt tcaagcgtt ctacatttgg agccctttt tagaaaataa tttttttttt 180
 acccccgttc cagtgtgaat ctatgttctt gttaacattt gtgtggcatt tggagttgt 240
 catccccattt gaaggagag cttctcaga catgaagcaa gggaaacata ctgaatagtt 300
 ttacacaaat ttgatctggc ttccattgn ccccttcatt tcccaaatgt taaaantgta 360
 ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 109
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA046103

<400> 109
 gtcttgcac tgcaattttt ttttctttt tgaaaaataaa caactgggag tttaaattgc 60
 tcacaaaacc ataaaaacaa aagaaaatc acacagaaga agcatgtgag gtgatgggg 120
 agggAACAGG gtctctagaa ctttggcaga ttgtgctggc acggaccctt gtgacaggag 180
 ccagaccatg gggctggtcc cgcctgccac tctggattt tgaaggatg atcgccactg 240
 gcaaggacgg ggaggaacac agacttctc gctgaggaag tggcaggcac cttgagtc 300
 tttaaatgcg ggggttggga gaaaaccatt tcagaggacc gctttctcca ctgaaagctg 360
 gggctggcga gttcgggccc act 383

<210> 110
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA046410

<220>
<221> unsure
<222> (1)..(509)
<223> n = a or c or g or t

<400> 110
ttttttttt ttaagtcac aggccatattt attattgtct ggaacatcaa ggccttcct 60
ccccctggcag tggcacaagg gaggggcaac ttcagnagg cggccagtgc caccaggc 120
aggccaaatg ggtggcagg ggtcnatngn cgggnaaaaa nannncctnn agctngccga 180
aaagctggcg atntcaggat cctgggcttc gtaggacttg accaagcgag caaacttaag 240
gacaccttcc ccgtcgacg tgaagccata ggttgataa ctcctgctg gatctgcgtg 300
gccacgggca gcacgaattt cagcatctt cccatgtcgt tgccaggcgat atcccgagcc 360
tcgtccatgc gcactgcatt ctccggggcg gaaaacgctg gatcacctcc gcgagaccac 420
cttgcttgc tcaacgctca aggccgcgg ttggggngaa gcggaccata aggggctgaa 480
antctangtt cnacggagg taaaatggga 509

<210> 111
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA046457

<220>
<221> unsure
<222> (1)..(475)
<223> n = a or c or g or t

<400> 111
tnngttaaaa ggtcaaggc tcaaaatgct aaatgatgag ggaaagtgtt gcaagtatga 60
tcaattcta taaaagaca gaanaatcaa ggtaggact tgctcaaaac tacgtgagta 120
gtcagagagg agacacaaat tagcttggg aactcccggg aactccaaatg tgctccagtc 180
aaaatctttt taaaagggtt ctttgcataa cattaccctt ccccccgtt ctgtgacca 240
ggttgcacc tgcacatgg atttgcagcc tgccgttgc tacttccctt gcttggggcc 300
atctgtgcta ggacatgatg atttttctat gaaagcagct gttctcacca tcacaaccag 360
ccttgaattt gttggcacaac ctggatccaa atagtggttc tggagcaact gggaaatagg 420
cccgccggacc atccaccccg gtggcagcgc tggctnaag caaaggggag tcagg 475

<210> 112
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA046674

<220>
<221> unsure
<222> (1)..(550)
<223> n = a or c or g or t

<400> 112
taaattgtataaaaatgctg tgtactacta attaatagaa aatcattcaa ccaagagaag 60
agtcaagtga atatcgttt gttatattgtt agtgatgttcc ttgttaacgt tgatattttt 120
aaatgataat atttgggttag tatgtcctat gttataaaaa atgaacaaaa ttaattttgc 180
tatgttcagg tgccttgata aaataacaat gctccagtgt tggtgcttac atttagcact 240
aaattttaac acagggtcag tgagtccagg tttaacttc ttcatgcctg gatgggataaa 300
aatgttaatttcaatttcatat ttgtatattttaat taatcactgt gacaacatta 360

accatttggc cttaccagga agtggtcaga ttatcatctg agttacagtt agactggcta 420
agtggat tagatcaagg ggaatgtcca gtaaacagag aggttaagcat gatggaaata 480
atgaagtggg gtcacaggaa aaacctgact agtgaggagg agcagctgag agatagggnc 540
550
agtgaatccg

<210> 113
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA046745

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

<400> 113
ttttttttt gatgtgtgaa ataggttag caaaaatata ttgagaataa aaatcagaaa 60
ctggtaaaga aaagccaaat gaaaaaaaaata tacaaagtta tcccccaaat gttgataaga 120
acctagcgag ttcagaagat aggcccagg gagaagtagg cccaaacccgg ccaggcctcg 180
aaagtgcgtcc gcgttaaacta cacgttgaaa gtggacgtgt tattggcatt tcattcaaata 240
ccatgaggag aaaaaactac gggagggaaat cttacaacac cattgctgcc accacctgca 300
gggcccagct ctcacttagga tgaaaaagaa gcgttctga ggaacaattc acatttagtac 360
aaaaaaaatga tacagccatt tccaaagagc agagtaatga tcacaatggc agtttcgagg 420
aatccagggt cagtctcac acgggcctca cccagcctct cccgagtggc gacggcgctg 480
agagccagaa agggggcacg cgaagacgag ttttngcgcac ctttggaaag cctacgtaca 540
587
cattcagagg ggttaaacat tccttgcca ttacttcct cggccga

<210> 114
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA046747

<400> 114
ttttttttt ttttcagca aatgtttgtt gaattttatt actttttaaa caaattactg 60
agtaatcttc cttagtaatc atttctgtaa ctcagataaa aatagaaatt tataagagtt 120
tttattttt ttacttgtaa aagtatattt cctagagaaa atatcagcag tggtagagac 180
cagaaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtccc tgctactgt gtactgtcgt atcctcagcc 300
ttgttctatt tcttttatttt agctttacag agatttagtc tcaagttatg agaatctcca 360
tggctttcag gggctaaact tttctgccat tctttgctc ttaccggct cagaaggaca 420
tgtcaggtgg gaaacgtgtt tcttttcag agctgaagaa agggtctgag ctgcggaaatc 480
516
agttagagaaa gccttggctc cagtgactcc ttggct

<210> 115
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA046840

<220>
<221> unsure
<222> (1)..(560)
<223> n = a or c or g or t

<400> 115
tacaaaatact gtaaaaaattt atataaaaaaa gtgagcatgc tcagtcttt cctcttatct 60
acaatacaca gggtttgtct gaaaagtctg gtttttttc ttttacaaa tgtaccttag 120
ctgcatcaac aggagtaaga ttagaaaaaa gctaccatta caaaaataat ttaagggaaa 180
ataaaacacgt ttagcttctc tcgcagttta gtggtgtaa gtccaggctg tagcttctt 240
gcgccttat gtcccaagaa actgcagcgg gcaccggcg gctctggctg cgccaggcag 300
ggcgcgctcc gctccgggcc gtcgggtctg aggtatgggt cgttgctgag tctctccgc 360
ccccggccgcg cgttaccggc agtctgctgt cccggccgc ggcagaaggg cgggctggc 420
agctgcttga agaactgccc gagggccagg tcccgctgta ntgctccacg cgctggtgca 480
gttctcggtt cagcgacagc tcacaacttt gtgcantcct gttgcgcgg cttggcttgt 540
ggggtttgcn acgggatgtt 560

<210> 116
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047151

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 116
agaaaaaacca ccacgtgtc acgtcgacga tgccaaattt tgtagcggtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctaa atgatctgt cacttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtgaaac ctgacaaagt gcgcctgtt 180
ttagtgaac tggatagac aatgaccagt ggctgggtca gtggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tggaagggag 300
aaaggccgaa catttcatgt ttggccggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatect ggtataattt cccccattgt gctcttaatg gaaatttcaa aggacgggag 420
tattctgttg gttgggtgtcc aggtttgtgg cactgttcca agag 464

<210> 117
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047187

<400> 117
cagggtaaaa agccaaacca ttactttact ttaatagagg acagctactg gtgttaata 60
catttattgt aaacctttaga cacaaaaata ggttctctag gccattcaca tgcacattaa 120
aaccaacagg tgcaaaactac aacaatgcataaattatac aaatgtatgc actctgtgt 180
gtttacagga ttgctgtcca tgcaagggtga tcataaggcat tattttatgaa gccttaagat 240
ccagaagtgt tgttactacc aaacctctga ttaacactgt gaagtaagt ttttggagg 300
cagttccatg agttgggcta acatttcttt aaagcaaatg actgcttcta agcttagccg 360
tacaagagat ttgggttgaatg ctgaaaatat tag 393

<210> 118
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047290

<400> 118
ataggtaaaa ttttattta tgaatgtgtg gacacatgac tttggatcca gccagccagt 60
gacataaata aacttgagca aaagttcaa gctagaggat atatatgtat agaaaattat 120
atatttgtt gtgtgtgtaa ggctcttgg aacagtgccaa caaacctgca caccaaccaa 180
cagaataactc ccgtccttgc aaatttccat taagagcaca atgggggtaa ttataccagg 240
atgctccaat cgctcttcc atcttgcata ctcacatgcc cgccaaacat gaaatgttcg 300
ccttctccct tccaatgtga tgggtgttga acttatctt agtgcattt gatagcctt 360
tgtgctcaca gagagacatc ccactgaccc agccactggg tcattggctc ata 413

<210> 119
<211> 210
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047379

<400> 119
cagtttccaa atggtttattt tatcgattt tttgaacatt taattatcct gtttgcatac 60
caaaaatagtt acctgaagtt tgctgtttt tgggtatgtg tttacttttta ttgtatattt 120
attttctaa actcttggc acaattttct gggggcgttc agactgccac aatacaagtc 180
aggagagggc gttttctttt tgcggccaaa 210

<210> 120
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047704

<400> 120
aatgtcaagg caccacagat taaatatcct tttatttgac tcaaactgaa caataacatt 60
taaaaacacac aatgggaagc agcgcagttt tctctcaaaa tagacaatga tggttttta 120
agagggtttagt aaagcatatg tagaaaagtc agaatgtcaa aataagtacc aaggagaaca 180
tatactttga aaagggggct aaaacatgtt gctatacaat ctggggtttct tatcgattga 240
tggataagat tgattgagac agagtcttgc tctgttgcctt aggctggagt gcaatggcgg 300
tgatatacagg tcacc 315

<210> 121
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA052941

<400> 121
ttaattctgg ggaaactttt atttttattt cttagaccaat tgactatggg ataggaaaga 60
aagtgggggtt tcaaggataa agccaaattt tgactcaaac aatgttaggg atgttttg 118

<210> 122
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA052980

<220>
<221> unsure

<222> (1)..(327)
<223> n = a or c or g or t

<400> 122
ttttttttt ttttttttt tttgttcac aatataattta atacaaaatg 60
gcagcagcac tgtgcagtt taacaaaatt agccatagg tatctggaga aatgtacaca 120
ggcagcctca gctggagtca tgcgagccaa ctccggcctg ctcggtagg gcctgtgcct 180
gctgcccagt cagctgtggg tggtcacacg gccaggactg gatggtgccc gtgnaaggc 240
ggtgcacaag ggctcagagg tgctgtacag gaggagccag tttccaaca gtacacaaaa 300
gcacgctgtc ctctgtct gcxxxxx 327

<210> 123
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053007

<400> 123
gaaattctca taatttaat gatcaatagc ttctggtggg ctctggatgg tacagttaaa 60
caatagactt aaagacctcc cccaaagcac gtccacacccc cctcggcagc gtctggc 117

<210> 124
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053033

<400> 124
aaaatgtgga actagtattc atttttattt caaatatttt ataaatttac atattggagg 60
ccctatagt tggtagttt cagcatgaac tctgtattcc aagtgctcac gttcc 115

<210> 125
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053102

<220>
<221> unsure
<222> (1)..(392)
<223> n = a or c or g or t

<400> 125
gactacaacc agtgttattt cttgattttt caccactctt ttcataatgtct tgttttcttc 60
cacatgttaa atatataata accaaaaactt tactaacata cgaatgaaga aaacatgcgc 120
aagtantngc atggcaggta gtgagggaaat ctggccagcc gactgggtcc tttaccaagg 180
tttgcagagt aggttgtt tgaacaccc ttgtgggtct gtgtcatttc caagttgaag 240
aatttcagcc aaagagcaac atgtcacatt gattaaagat ggttaatgac acagaaacat 300
ttctgttaat actaaggaa aaggctgtc ttttattttt ttattttcc tgagtccctca 360
cgtttttctt ctctgacaaa tgttgaaat tc 392

<210> 126
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053248

<220>
<221> unsure
<222> (1)..(327)
<223> n = a or c or g or t

<400> 126
aagttttttt gctgtaagtt tattcaatgc aaaataatcc tctccaattt tactgaggtg 60
gctgaccaca tcctcaacca aatccaccc taaaactggaa ttccgggttgc gaccaggccc 120
cagcctcagc tttgctgtnc ggccaccaggc ggcacacgcac tccgtctgtt ggtttatctct 180
gtcccgctttc cctcttgcga gtcttgcggg tcgtcacccct tcagacaccc 240
cttccagtc ctggacggct gcagatagag tggcaggcac aatctccggg gcagatgaag 300
gtaattcaac gggangaatc nttcgtat 327

<210> 127
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053424

<220>
<221> unsure
<222> (1)..(431)
<223> n = a or c or g or t

<400> 127
tttgagctt cagatttgct tttattggta gggaaattcc agagtgggaa gccacccagg 60
aggagacagg ggtgcgcagg cttctggag tctggaaagct cccggatggaa gaggcttaca 120
gccccagcc tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180
caggaccggc ttccaggccct gacttcggc tcctcttgac ccggcccccggaa ggcttgggt 240
gggctctgtg tttgcagctc tcctgaacag agctagatga gggtgggagg ccccccgttgg 300
ctcacacagt ggatgctacc atctccggcc tcttggatgt ggagctctgt gccagagtca 360
acagtctcca gggtgggccc gaagttgtg taggcgtct caaggccgaa atctgcttt 420
cctcagattc t 431

<210> 128
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA053660

<220>
<221> unsure
<222> (1)..(427)
<223> n = a or c or g or t

<400> 128
atctaacaataa ggcactttat tgcattacca ttccacaatta acagtcaaga acaaataata 60
ataacaataaa aaataacttt taagaggaca aggatttgc aataaaaaaag gacactaata 120
acatttgtaa aagcttgcac tggatgtgt tgcccccatt ttttgtgtgt gtttgtgtgt 180
tgtgggtgtg ttttgtgtgc cacagcttag cctctgtcac cagagaaggc tgaggcccaa 240
tggcacaccc tggacacacct cagaaaccta caccggagg ctnggacggc tggactctgt agcacaagct 300
ccctctcgca ccctttgcca gacagttgt ctccaaatttca aaactgaccc aaggctctta 360
ctccctggatt ttttgtttt aaaccttgc ccagccagtc ttccgggaggcatgatttgc 420

gaagngg

427

```
<210> 129  
<211> 368  
<212> DNA  
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA053662

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<400> 129
atgtgcatta ttttttcaa gcagctacct tgtaggaca tacttaatag ttatcttggc 60
ctacctactg cacttactaa acaactgttc acttttaat ttttaatttt cagattttt 120
tgagacggat tggactcta tcgcccaggc tggagtgcag tggcgatc tctgctact 180
gcaaccccg cctccccgggt tcaagctatt ctccctgcctc agcctcctga gtatctggg 240
ctacaggtgt ggcaccac atccagctaa ttttgtatt ttttagtagag atggggtttt 300
accatgttgg ccaggctgat ctggaaactcc tgacctcagg tgatccacct gcctcggtct 360
cccaaagc 368
```

```
<210> 130  
<211> 446  
<212> DNA  
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA053680

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<400> 130
ggaagtggca ggggaggtgc tgctgctcca gcgtatggga tgctggagg agggccagat 60
gtcactgtga cctctccac tggcacggca gaaagtccctt aacttctttt ggacttgagg 120
tgtcgcttctt ctttatgctt ctccctgtct ttcttccttt tgctcttctt tgacttcctt 180
ttcttccttga ttctcggtt agaatcatct atcactaact ccccagcctc tagttcccc 240
ccagaggatg agtctgattt taccagaata gtttcaagcc ctgaaagatc aaggtagca 300
ctgtgggact ctgcgaactg ggaggcgtca gacccacagc ctccagggcc aggagatgaa 360
tgtgcgtctg aggatgactt gtgtttttc cgggctgttt tcagaaaagct ctgttaactca 420
tgtccttagga gtaaaagcacc ctgctc 446
```

<210> 131
<211> 444
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA053917

```
<400> 131
cagagcagag ggttttctta tttattacaa aagttgttac acaaatacag ctgaccagaa 60
ggtaaaaaa cagcccagac tcttccaacc ctcatgcac tgtagataga aggagagctg 120
tggcttgct cacacacagg ggagcccttc tttagaagaac tgccctgtccc ttgaaaggtt 180
cagagtcttg ggtccagcag cagagaggag cccaacacctc gtggacaacc ccttgaggca 240
gcccttggtc acagctgctc tgggtgggca gcaggtttaa gtttcatagt tcacatgttc 300
ccaccacaca agtcaaatac aggcatgaaa ataaaaggga aaaagggaa ggctggaaaa 360
gggagcctgg aagaggttgc aggttagggga aggagacaca gtggccttcc gagaagctgg 420
caatttcttgc acttggatgg agtt 444
```

```
<210> 132  
<211> 190  
<212> DNA  
<213> Homo sapiens
```

<220>

<223> Genbank Accession No. AA055805

<400> 132
ttttttccac gttcagtcgc agtttattaa agttagaagt gtctccatcc accccctaca 60
gaggcttgcg tgggtgtcc agtctgctaa atattcaga atggggacct catttatct 120
actgatttat caaatctcat taattaattt cccttgctga tatgaggggt tggagagaa 180
gggggacgtt 190

<210> 133
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055811

<220>
<221> unsure
<222> (1)..(337)
<223> n = a or c or g or t

<400> 133
ttaagaattt ccacccacaa ttattttttt actgaaaagca tttggaaatga agcaaaggat 60
ttaacaatat atataaaaat atacattttt taaaaaatcg caagtagaca atagatttat 120
gaaattttt ttctgtatcat ccagaaaaga tagcaatagt aaactgcagt tgggtngaga 180
ccagccactg ngtccatgag acctaaggcag ccctaaccgt gcctgagctc tcaagagtag 240
aagaaatgtc cgacaaacag aaggaggctg tgggagggca gcaggacagc cccaccagaa 300
aaccagagcc caaatggnt ggggcagggc caggggc 337

<210> 134
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055892

<220>
<221> unsure
<222> (1)..(456)
<223> n = a or c or g or t

<400> 134
ttttttttttt ttttttaat agaacaggc aagataaggc tttatttcta tagaaatgt 60
gttttgacaa tagttggct tgggtgttaagg ctcacaaaag aaaatcacat gtaccatgtg 120
tgggttaagc ggtttgattc acactgaacc aggccagccc agttgccctc tgctgtgtcc 180
accgcgtggag tggagctgtc tcacagccat cacactggta aactgctgtc gctggttac 240
caggctttct cttgccttgc cagtagcgtt gaaggctgtc aataaatctt ctgttatctt 300
tgtgaactta accaaatccc agttaccta tttaaatggc aatagatctg tttccctta 360
aactagaaaac cttaaattacc tgtattccta cctccagctc aacccatata tttgcancctt 420
tccagtaagc aggttttgc tttccatcg cccccctt 456

<210> 135
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA055896

<400> 135

ttttgcaaa tataagaagt aattttattt caatatactg tggcttagagt ggtctgggga 60
gaacgggaca cattttgaag ttcatcataaa attataacaa ctttgaaggg accacagagg 120
aagaaaatga caggagaaaa ggacaaattt gatggatga gaaatgaaaa cagaatcaca 180
tgacctagac gcagccacgg gggtcgcggg acagtcctcg gctatggctt ttctttgaa 240
gagatgaagg tgacagtcat tggcacatgc ta 272

<210> 136

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA055992

<220>

<221> unsure

<222> (1)..(441)

<223> n = a or c or g or t

<400> 136

ggttgtttc cttaattaa atctcaaatt tacaagagtc cagactgtct ggacagccca 60
acagggacac agagagttt acacactgtat gtctcaacag cacagggttc catcggaact 120
tcgtgagaaa atcagatcc atgtacgttc ttgaagagct gtctctcgcc ctaagataag 180
tggagaaggt tgccttggaa gcgtgggta gagtaggaa cagctggctc tctggccaag 240
gctttgnntt ttccggaa caaaaacccg acccacggga aagggtctgtt ccgagtctgg 300
gggtcagaaa ttccatatca gtngagtgca gcaggccagg gagaggcgaa agggagtggg 360
agaggactgt gggcggaaagg gagagggcg gcccctgcac agttcacca ggctcagtg 420
caggctcaga cggccggact g 441

<210> 137

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA056170

<220>

<221> unsure

<222> (1)..(531)

<223> n = a or c or g or t

<400> 137

gctctttatt cgtgagtttt ccatttacct ccgctgaacc tagagctca gacgccatat 60
gggtncgcct cgacccaacc ggccgcctt agcgcgtgac aagcaaagggt ggtcctcgcg 120
gaggtgatcc aggccgttctc cgcggggag aatgcagtgc gcatggacga ggctcggtat 180
aacgcctgca acgacatggg taagatgctg caattcgtgc tgccctggc cacgcagatc 240
cagcaggagg ttatcaaaggc ctatgnntca gctgcgacgg ggaagggtgc cttaagttt 300
ctcgcttgggt caagtcttac gaagcccagg atcctgagat cgccagctgt tcaggcaagc 360
tgaaggcgt gtttctgcgg cccatgaccc tgccacccca tggccctgt gctggtgca 420
cgtggccgccc tcctgagagt tggccctccc ttgtgccact gccagggag gaaaggcctt 480
gatgttccag acaataataa atgcgcctgt gacttaaaaa aaaaaaaaaaag g 531

<210> 138

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA056247

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 138
 ttttttttaa acaggaatga atcatttatt caaacaaaac aaaaagctat ataatttga 60
 gaatttcatt ttttgagagt aaaaactaca aaattgaaca gcgaggagga aaaaattctg 120
 acaatgtat tcaacattaa tcctttaaaa gtcactgtaa caaatttaaa cataagtgt 180
 ttatTTTCT attcacaaaa ctaattataa tacaccacaa tgaattttgt tacggtttt 240
 tgtgtgtaat agagggtata catctccata ctactagcta atttgtctgt ttgttcaaaa 300
 gagttatTTT tctcttttgc gacagggtct cacgctctg cccaggctat 360
 agcatnaagg gcacatcaca gtcactgca gccacaacct cctggggctc aaccgatcct 420
 ccntgtctca gccttcaagt agcctggact acaggcacac at 462

<210> 139
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056319

<220>
 <221> unsure
 <222> (1)..(394)
 <223> n = a or c or g or t

<400> 139
 gcagggtttt gtttgggg ttacaaagtt accgagatga caatatccat aattagctga 60
 ctcttacgtt cacactgtga cctgatcatc ctgaaaaact ttatggggga gaaagggtcag 120
 cagcttctct ttcttttct tgaaaataat aaaactgcgt attctacttt atatttaaat 180
 gtaaggaaaga aaatatacaa gcccataattt atattgtatt tctattaaga gcaacaatag 240
 ttcatatgtt catgtttgtt actatcacaa ttcaacatattt gaacacagat cagctctata 300
 ccatgaataac tgctgaagt gatgggttag gattaccaac ctcactgctg catgaccaan 360
 acaaagcaaa tgccatccct gggaaataaaa ccct 394

<210> 140
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA056361

<400> 140
 gaagcaaggg gctaggaccc ccagtcctgc cccccaggag cacaaggcagg gtccccctcag 60
 tcaaggcagt gggatgggcg gctgaggaac ggggcaggca aggtcactgc tcagtcacgt 120
 ccacggggga cgagccgtgg gttctgctga gttagtggag ctcattgtt tctccaagct 180
 tggaaactgtt ttgaaagata acacagaggaaaggagag ccacctggta cttgtccacc 240
 ctgccttcctc tgttctgaaa ttccatcccc ctcagcttag gggaatgcac cttttccct 300
 ttcccttcata cttttgcata tttttactga tcattgcata tgctaaaccgt tctcagccct 360
 gagccttggaa gaggagggtt gtaacgcctt cagtcagtct ctggggatga aactcttaaa 420
 tgctttgtat attttctcaa tttagatctt tttcagaagt gtctatagaa caataaaaat 480
 cttttacttc tgaaaaaaa 498

<210> 141
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
<223> Genbank Accession No. AA056482

<400> 141
accatcaact tattttgtat tctataaacat acaagactgt aaagatgtga cagtgtacat 60
tatatgacaa tgcacattag ccagcaagtc ttttataagggt ggtttcagca gcaacgataa 120
gtaatgcaga attcagctcc agcactttat ttcaaaaagaa atttcctgcc tccctccaag 180
atgcagggtg aggaggttagc ttgggggtgc tattggagaa gtattcagtt tgctactttg 240
tgtcacccct tgccattctt ttatccccag ttaattattta tctgcataataataatct 300
gctagaccat aaattaacag ct当地caggac agatgcctt aagttctt aaaaatgtaa 360
acaatattt tagcctaaaa cctcctctat aacaacatg cacacaatgg gaagtgtatgt 420
cgtaagttag ttagggggca ggaaggacct agggctctgt ctgcactata aatcaccctg 480
gcccccaacc aattttaaattt attacct 507

<210> 142
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA056735

<220>
<221> unsure
<222> (1)..(388)
<223> n = a or c or g or t

<400> 142
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaacctt 60
tcaaaattgt acaaagaacc attaagcata ttgataaaaga cagtttaca gacaaaacaa 120
ctggaaaata gtttaacat acacaatata taattatgaa aaaaatgttag aacacatatt 180
gttctaccag ataaatccc aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atgggttttag aaaattaatgtaataatgttaa aattaagctt 300
tttttctca ttgcaatttgg gagaggaac tgagacaact ttttacccc aaatctatac 360
agtttggaaaa ataatttata tgtctagc 388

<210> 143
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA057678

<220>
<221> unsure
<222> (1)..(491)
<223> n = a or c or g or t

<400> 143
ggtagttcta tttcataaaag aaaaaaatca tttactggaa tgagctaaaa tgctagagag 60
aaatccacag caataattat ccaaataatataa gaacaatccc atcttcaaag atcattattc 120
caacattctc tgaggtgcaa ctaataatttgc ctaacttggc tggacttta cagtgccctgt 180
caatgtgatt tcaaggatcc cataagctat ctaatcacag tggatgcaca gtacatgtga 240
tgtgatcaga tgaaggtttgc atcatgaact cnattaaaaa actgnaatataa aagagagaag 300
gaaactgatg gggaaacact caagagctt ggcaagatta gaaagggttaa aggcaggatg 360
gggaagaaaaa gcnaggacat ctaagagtac agagagaaac ctaatccaag gttaccagta 420
cataccacca atactgccat ggggaggaag gttcccgctg gtaatttggg acagaccggc 480
acccttaagc c 491

<210> 144

<211> 517
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA058589

<220>
<221> unsure
<222> (1)..(517)
<223> n = a or c or g or t

<400> 144
ttttttctg taaaagcatt tcctctgaat attttattca gaaaaaaaaac acaaaaaagat 60
aaggcagaaa caaaaatccc agtcattgc agtatctgtt ggcttcaat ttggccctct 120
tggttaaaca aagaaaaata gtaaaattaa tctatgtaaa acatgccata tatattcaac 180
tgctactaaa tataaaaagc tataaaactg tgtgtcaat tttggttact gtattatcac 240
aacacttata ttaaaaatatg tatactttt aatttggttt ctataaaaaa tggattctaa 300
tcccataaaaa gttatttcct aatattcaat aaatgttgcc taagggnntt ttctntccaa 360
atagcaattt tattccggaa tttaagggtg ctcnaaattt ccatttaaca gggtgagaat 420
gctgnattat taccagttag naaagttacc ggnctagagt ttattccgtt tagagtccca 480
tcngatana atttgaaccc ctcctgnttc ttacaac 517

<210> 145
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA059489

<220>
<221> unsure
<222> (1)..(607)
<223> n = a or c or g or t

<400> 145
caaattttat ttgtatacaa aaatatatta taatngaaa gcttactgct atttccaact 60
atataataatt aattacaaat atttcataa aagcacttta aattacagga aagctatgtt 120
ttaagagaaa atacaatatt agcatggatc gtctgttcta atatgctgca agaggtaaac 180
aaagtcagtt tcactgtcta aattgcccag aatgggatc aagggtcgat tttaaggtga 240
gcctgagagt ggcctggtag aaggttnagt gcacgtctt gtccctctg gcagcagatt 300
ctagtagctg attttagcag gtcctcgaa cttctgaag cttctccctt atgatgaaag 360
gaccgagaac ttcttgttcc acatacttgc taaagtttg tcaagatcag caatgaaggc 420
ttctagctcn ttngtgttcc ctaatttagc tttctgagga gtgacagtgg cagagagaag 480
agetggggta gagtctgttg gagaatttag ntttcatca ctgaagctga gctgtcccta 540
taaagtgaat ntgcacttcc cgagtcgctg aagccgctgt tgtcgctgctg cttggctgct 600
cgcnttc 607

<210> 146
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA062721

<220>
<221> unsure
<222> (1)..(457)
<223> n = a or c or g or t

<400> 146
tttttttat gccaaatccc attcccaaga tgactataatt ttatagttta ttatgaggta 60
actgcctcca gacagataag cccctgcattt atgctaaaag tcagagcctg ggggtgaatg 120
ccacaccttcc tttgtcctcc tcagctggtc tgcgtgtctc tgctcagaac gctgtgttagt 180
agtgcctcat tgtgctgaca atgtcactct ggtcctccag gagctccaga acttgctgca 240
gcacagcctc gctcaggccc gggcgatnc tcagggcagc acaggccaag atgtgcagga 300
agtgcacagcc cttctccatg tgatgggt tctggcagtc ctgctgaatg atccggtgaa 360
tctttctgtg caggtctttg tcttctctgg ttacatagta taggttatca aaaccatcat 420
ctttctggaa aacaagtctt tttccctgca gcagttt 457

<210> 147

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA062744

<220>

<221> unsure

<222> (1) .. (504)

<223> n = a or c or g or t

<400> 147

ccttcacat tttttccctt tgctcaggca cctgcacagc agctcaggac cactcagtgg 60
tgctccaac ccactcactg gcctgcgtg tgggagctgc tgaccaatcc tcagtggctg 120
gctgtgcact ccagcttcc gtgggaaact gctggatggg cacagagggg acctgcacac 180
cctcagacca gtcggccacc tcaggctgag cagcagtgaa ctcaggagct ggtcggtcc 240
attcacccttgc gaatttctcc ttggtcacag cttctcagc agcagcctgc tcctccttct 300
caatctcctc tgggtctctg tangaagtaa agatcaggca tgacctccca ggggtgctca 360
cgggagatag tacctcgcat gcggagtaact tccctggcca gcatccacca catcagaccc 420
actgagtgag ctcccttgc ttgcatggg atggcaatgt ccacatagcg caggggagaa 480
tctgtgttac acagagcaat ggta 504

<210> 148

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA065173

<220>

<221> unsure

<222> (1) .. (333)

<223> n = a or c or g or t

<400> 148

ttttttcatg aagaccaggat tattttacat gcttgctttc acattcttta ctggaaattt 60
aaggccctttt ttcagcctta acttgtatac caacctcaag gattttgttt gatacagaaa 120
aggataggc tgggccttct gccaaggact gataacctgc ctgccaaaag gaagagggaa 180
tgaaaaggcctt ttgtccttctt aggccccctta cagtacctca aaatctaaag gccttaaagg 240
ggaaaaaaaaac cgtatctgtt ctttctccctt atctcttacc cttctcttta agcatattga 300
agatggactt ttttccaaat gtttattttgtt agg 333

<210> 149

<211> 267

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA069456

<220>
<221> unsure
<222> (1)..(267)
<223> n = a or c or g or t

<400> 149
accgagata ttctgttat tgtttatgt ttacacagaa aatgatggc tggggtata 60
gaacaataaa ccaaccatta cattagacc tgggctttt aaaaacttgc attccatttt 120
aacaattcgt atgtatctaa caaatacata aatccagatc acaaataatc ttaagagttt 180
aacaattaag aaacacaaag aataccacat agatctaccc ttaaatatca gcattcatat 240
tataagagat aagaaaatgt tanaaaag 267

<210> 150
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA069696

<400> 150
attcacagca tacttttatt taccaaagta catcgatcat tatacaaatc ttaattacat 60
ttacattata catttataat attaaaattt tgcgagtagt cttcaaataat ctgacaacctt 120
tggggtcagt gaattattta agaaaaaaac tcagaagagt tttgaaaaag gagcagggtgt 180
gattctacaa atccaatatg aggccccagt gggagaagtc aattggatga gcacatgaaa 240
tattaggagt gctcgtgagg gggaaatgttac aggtctattt tgcgttgtc tggcgaggct 300
gcataatggag aatgtgtttaa aagagcattt gcaaacttaa gcattacttg aagatattaa 360
acagaatgtat ggaaggcctgg tctttgatta tttattgctg acatatgcat tgcagtgtat 420
gcattaa 427

<210> 151
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA069768

<220>
<221> unsure
<222> (1)..(519)
<223> n = a or c or g or t

<400> 151
aaccacanaa gagtagcagt ccattttctg gaagngcga tgatattatg ancaatacaa 60
atgcattatt ttatcatta atagtnaat cattaattat cncanaagtc aatgcagaga 120
gtgaaattttt tntgaattaa acttcngttc anaatgtaca gtatggca tatgtngact 180
ttacttaatn gtncattnntt gtttccaaag ttaangttaa atacctgggtg cataggttgt 240
tgtcaagcaa ttactctcat tgtcttgcata tacatgctaa cattttgcta aatataatc 300
tacaagtatc acagctgcat atatttctga agtgggtttaga acagaggagg atgctggaaa 360
gttgagttct ttaaaaatctt cgttccaaac aagagatttt catctatgtc ctcttcttta 420
attccaaagc agtggnccca ctccttcagg gtgtatgtgt tttttttttt ggggtcacac 480
tccntcaaat aaacgggttta tgccagtgtt ccatgggcc 519

<210> 152
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA070090

<400> 152
ggaatcccag ctccacttac caggccgcgg ctaccccgcc gtcccccccg actcccgcca 60
ccccgctctc tcaggctctt caggatccaa gtccgttaggc ccttaaggg gtctagttgc 120
cgtttgcgag gcctgggac tttggtccca gacagcgggg atccggatgg cttccgtgcg 180
gatccgagag gccaaggagg gagactgtgg agatatcctg aaggctgatt cgggtgaaga 240
ctgcaggagc tagccgaatt cgaaaaactc ttccgatcag gtgaaagatc agttgaagaa 300
gccttgaga gcagattggc ttttgagac aatcctttct atcactgttt ggttagcagag 360
attcttccaa gcgccccggga aagctacttg ggggcc 396

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<210> 153  
<211> 417  
<212> DNA  
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA070091

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<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t
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<400> 153
ttcaggacat gtaattctta tttatTTTC accctcaaca aggaagaaag gtctctccct 60
caattctgct ctccaataac ttgaggatag gcacccctaa ccctcCTTCC tccaggggagg 120
cctcagcatc agtgtctgtg gacgtanctc tgaagagtgc ttcaGCTGAT ggggaaggag 180
aaactcaaga cagagatcct cctagggtat gggtcacttt cctGCCAACT ttctcgTGC 240
ctctccTTGA aagcagaaga agtgccAGCC ctcAGCTTCC gtcAGATCTT gggctccTAG 300
ggcTTGTAC aagtccatgg ccctctggTT ccAGTCCAGG acggccAGGC agaaATTGGGA 360
qcaqcccTTA tccaaggCCA ccttcAGGCCA ccttttGAT tattttggaa ccaatCC 417
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<210> 154
<211> 429
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA070191

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<220>
<221> unsure
<222> (1)..(429)
<223> n = a or c or q or t
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<210> 155
<211> 353
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070206

<220>

<221> unsure

<222> (1)..(353)

<223> n = a or c or g or t

<400> 155
tttttttt tgaggcaaac agtctttatt gggttcacac caggagtccg ttggcttga 60
ggacctctgt gaacttgcag attttctt ccacattttt ttctgcctgt ttccgtaacc 120
tcaagatctg cttcttcctt cgtatgtca tcttggcctt ttccctccgt ttctcccca 180
gagtggctgt cactgcctgg tacttccacc cgacccatg cgccagacgc cccaggtaag 240
caaacttctt ggtaaggcctt cagcgaaaca accttgagag cagcaaggga ccaccantcc 300
gcttttctt gncatagggt ggagggattt cattcaaaaa ctttgaangc gct 353

<210> 156

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070485

<400> 156
ttttttttt ttttttttc ttccagggtt ggacttctta accatctttt tgtttttctt 60
tttcgaactg ccatacgatcac tatcgatcatc atcttccattt agggaaatctt catcgctgcc 120
ggaaatcttc tcctgaaatg gtgcctcatc ctcccttctt tgtttttctt cactgcccac 180
atcttccatg agcatcttc tctgtttaga agctgcttta gatgccgcctt gccgttgg 240
gcgcacattt ttatgtat 257

<210> 157

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA070827

<400> 157
ttgtggccaa accttggttt aattgcaaac gacttaattt acagcacattt caataatgaa 60
ccaaacaggag agttgtgac tttgttacat atgaatatat aaaaatccct tgcaatttgc 120
gtagtcaagg taaaaagcgc atacaaggaa ggcaatccctt attttcttga aaatgtttac 180
attttttttttggacttagac atacttggaa gttcaaaagca gtaggtatgtt gcttgcagg 240
aaaagaaaaac cttttccat gttgtttaggc agaagtatataa caaatatatac ccaattccac 300
ttgataaaagt cagttggatg acctcccttg aaccaatcta gggcagaaca ctttagaaaa 360
gcggggccctg ggtggggatg tgaatccagg agaagagggg cacagatccc atgcagcgcc 420
aaacacatcc attccacccctt ctaacacata cgaggcatgtt cac 463

<210> 158

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA071387

<400> 158
ggggctaaaaa ctacccctga gtgtggtccc acaggatatg tagagaaaaat cacatgcagc 60

tcatctaaga gaaatgagtt caaaagctgc cgctcagctt tgatggaaaca acgcttattt 120
tggaaagttcg aaggggctgt cgtgtgtgtg gccctgatct tcgcttgctc tgtcatcatt 180
cgtcagcgac aattggacag aaaggctctg gaaaaggcc ggaagcaat cgagtccata 240
tagctacatt ccacccttgt atcctgggtc ttagagaccc tatctcagac agtggaaagtg 300
aaatggactg atttgcactc ttggttcttt ggagccttgt ggtggaatcc cctttcccc 360
atc 363

<210> 159
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA074162

<220>
<221> unsure
<222> (1)..(349)
<223> n = a or c or g or t

<400> 159
tgcgtttta tcatcatgtt ttacatggg gcattcactg ggtgttagagg ctggccgcaa 60
atacgatgtc ccggcgttagc aaggtagccg ctgtctccat cttggcaccc agcacaggct 120
ctcctaccag gcgggctngc ccccccgcagt gagcgacaca tctnagccag gcgctgaatg 180
cagcgggacca ccagggccctc aggggtccct gagagccctg ccaactcgna gaagggcatg 240
cccggtgccc actcatatac aacctcaacc aggccaaaaa ttcagctccc ccacaaattc 300
ctccacngtc tggtnaggc cacaagccac cttggacact cancaatcc 349

<210> 160
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA074514

<220>
<221> unsure
<222> (1)..(330)
<223> n = a or c or g or t

<400> 160
gtgtttacta caaactgttt aattgtttct tatccaata actttacaaa tatagaacca 60
catgctagtc tgggggtgct gtgcagttag tcactacaaa ctcgctcagg cacagcttaa 120
tgccgcttag atccatctag gagcagtccc agcgtggcc tcagccagtn gaggaaaggagg 180
gtttggagg agggctgcca agtgtggcca ggggaccggg cctcaggctt gtggaggtgc 240
ttcaacagca cgatgctcat tctctgtcc tagtgtctcc atataacttcc tcacatcttc 300
caccatccag gagggttagga caaaggattt 330

<210> 161
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA074885

<400> 161
ttgccaatga tggtagctt tattaatggc ccctctccag aggctgctca gttgtcccc 60
ggaaactcct cagagatcct ctgccttccc acatatgagc ccgaggacac ctggggagca 120
gagaagtcaa agggttccg ggtcagacgc tgcactccac gcctgcgtcc tcctcggtgc 180

tgcagtcatg atggccccag ctattcttgg tgcagctcca cagggtactc tccgtgcccc 240
qacactqaac aa 252

<210> 162
<211> 562
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA074891

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<220>
<221> unsure
<222> (1)..(562)
<223> n = a or c or q or t
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<400> 162
ttcaacaatt tccctttatt taatctccat attcatgtcc cctaaatata tatatatattt 60
gattttgtta ggagaaaagga gatttggat tgggtattaa cacacacagg gtgcagaaga 120
agccccactac aattgcttgc cttggaaagt aggacctgtt cccagatact cgccaggaca 180
tggctggcag ctccctcaagg aggacaacag gctggcagct gcgtgagact atgtaagtaa 240
tggaaagtctt ggggtgcaga ccattatagc aaccgtcga gattcttgc gacagtctgg 300
tttcccttgc catcatcaga atccccttgc ggtgtgtact gaaccttgc ttcctgaagg 360
attttaaaaa catcatggtg tccaaagtgt agtgcattcat ccatgggggtt attattccac 420
ctgtccntgg gggaaagggtt taccttgcg agcttccagc aaaaacttgc caactttcaa 480
catgaccctc tgctgctgcg acatgggaag gctgttgcg agtcatatcc cgctgctcca 540
tgtccanqgc tqacaaqgc ac 562
```

<210> 163
<211> 239
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA075298

<400> 163
taatcaaagt aagcaataat gacagggttta ttgaaaattt ccagtagaga aaacccacta 60
gttttggaaat aaaagtactc aatgtacgag agcataagt aataaaaaag attaacagaa 120
ggaaaataaa accaaacata gtacaaaaaa attaaaaaag tttgaaatga attcaaactg 180
ggatattctt taaaatcctcc aaatatttaa cagagttact aagtttgca aaaaattca 239

<210> 164
<211> 328
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA075299

<220>
<221> unsure
<222> (1)..(328)
<223> n = a or c or q or t

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<400> 164
tttttttttt tgtttaaaat catttattat tatkaggagt gccttttagg tggaccgc 60
tgtatgactc tcatgcttc aaactatccc ttattcaagt gacttacaat ggccctagga 120
aacaagttct gttattatcc cccatTTAA aatgtatggaaa atggacaaag caaaagcaag 180
caacttaacc aataccccat ggccctcacag cttttagaat agtcatatta tataaatatg 240
qcaataacaa tgcnctgaaa atgtctccaa aacaaactct acatTTAAA aaatgtataa 300
```

caggaatcta aggaaggggc cttacttc

328

<210> 165

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075580

<400> 165

gttatttagg cagcagctgg gaaatcagcg gtttagacttg gccacacgct ccagttcatc 60
tttcttcttg atggcatagg aattggagga gcccctggag cattaatgag ctcatctgca 120
aggcactcgg cgatggtctt gatgttccgg aaagoagcct cacgagcccc tgtgcacagc 180
agccagatgg cctgattcac tcgacgcagt ggggacacat ccacagccct tcgtctca 240
gtaccggccc gcccataatgcg tggtagtct tctcgaaaaa cactgttcat gatagcattc 300
accaggacct gcagagggtt ctcaccatgt agcaggttga tgatctaaa ggcattgttg 360
acaattcgcg cagtcatgag cttcttgcgg ttgttacgac catgcattcat catggagtt 420
gtaaggcgct ccacgatggg acattgtgt ttgcggaaac ttggcagcat accgtccggc 480
actgtggggc aggtacttgg cataacttctc cttcacagca atgtaatcct gcagagaaat 540
541
a

<210> 166

<211> 609

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA075722

<220>

<221> unsure

<222> (1)..(609)

<223> n = a or c or g or t

<400> 166

taactgttaa gaaaattttt gtggtttat tgtatcatga ggcattgaaa catctgaaca 60
aatcaatatac tggcggttg gtgaggcagc tgcttctcc ttcacttctt tgggttacta 120
gagcaacttg tcagtagatt aaaaaaaca aacaaaaca aaaataaaaac aaaaacaaaa 180
cccgacaatc gtttgcatta ctaaagtctt tccaaggcat gcgctggtag aacacaaaact 240
tcctgtcaga tgcgactagt ctatcatcca aacatcatgc acaacaccgt ggtgacagaa 300
gcccctgca cccgcctcccg ctcggccct gtcgtttgt gtatgatatt tggagcatct 360
ggaggagtga gctaggattg ggaagaggga ggagaaaca gcgtgactgt ggccaggagg 420
aggtcagccg aagttgtgca gggcaagcct gaacatgtca ttggtgcnna ccccaagcat 480
cgttgatgtt ctttaataga aacatctgtt ggaaccctg atggatctt catcagcatt 540
gagctggcc acaccatgtt gatgtatgcg ctatctgggt taagctgggt gtcctgcgcc 600
609
gtgatgcaa

<210> 167

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076138

<220>

<221> unsure

<222> (1)..(430)

<223> n = a or c or g or t

<400> 167
taaactgaag gtggggtaca tggtgtcagct ggttctgtca ttgctcagcc tagttggcgt 60
ccagcttggc catttcctgc acatagatgc ctatactctc gctgtcaaaa agcacgaagt 120
acaccgtttt gatggaaagag gacattgttag acacgaagta actggagatg gccttcagaa 180
tcagctgagc tgctgtctgc tttggaaaaac cgttcctgcc gctgccatg gatggaaatg 240
caatggattt cagcttctta tcatcagcca gggccaagca gtttttcaact gtctttcca 300
gaagttcttc acacttgtct gcaccccaaaa ctggactatt acagtggatc acaaacttgg 360
caggcaggcc atggcnggct tgacagcagc tccagctact tccaagggcc cgttctttt 420
ccggagttcc 430

<210> 168
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA076238

<220>
<221> unsure
<222> (1)..(451)
<223> n = a or c or g or t

<400> 168
gacacggagg ntgcncttg ttgcccaggc tggagtgc aa tggcgcaatc tcgactcacc 60
acaacacctcg cctccagg tcaagcgact ctgctgcctc agccttcccg agtagctggg 120
attacaggca tgtgcacca cgctggccta attttgtatt ttttagtagag acagggcttc 180
tccacgttgg tcaggctgtt cttgaactac cgacctcagg ttagccaccc acctcggcct 240
cccaaagtgc ttggatcaca agcatgagcc actgcgccc gcccataaaatg tgtacttcta 300
acataaaaatt taatctgggc tgaaacaaaat atttggacca tagtaaaatg ctttctctat 360
aatttgttcc ttcccttctt ttttctagca agcttcagag ccaacagggc gcttctctg 420
gaaggtgaag tcatggtac ctactgctct 451 t

<210> 169
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA076249

<400> 169
tgctgtgttg accccagtgc tgacgtttga ggaggccctc caccaccagc acaacagaga 60
acgggcctcc ttcatcaactg atggggagca gctcccggc ccccgccctg cacctctgct 120
ttccagaact cctgcgtcc catctgccaa aagggaccct tctgttaggg agcacacccgt 180
agaagtgtt agagagtatg gattcagtc ggaagagatc cttcatgtg cactcagata 240
gaatcgttga aaagtgataa gctaaaagcc aatctctgac tcaggcttat agctcaagag 300
aatctgaagg ctgcatactcc acttggggag ggtatcccac aattgtgtt atggaaatgt 360
ggatgaacag caatgaagtc atccaaatat cccaaatcagc atccaaacgaa a 411

<210> 170
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA076326

<220>
<221> unsure
<222> (1)..(361)

<223> n = a or c or g or t

<400> 170

tttgcgcact gaacgttgct ttattcattg gttaatttc ctaacagcgt tgtaaaccca 60
ggccggatg tcctgagcgt tctggcagag gcccgtgcag cctcggcccc ttccggtccg 120
cgctanctgg ccttgccct gagctccctc agcttcgcaa gatgagctc ccagacgggg 180
ccggggctgg gctctgaggg aaaggcgttc ccgcaggctt ggggcccgcct tcccatgttc 240
tctaaagccc agcacctgtg gttcggtggc ggggctcgtg ggattgggt aaggcgttg 300
gttcgaggc cgtctgtggc gccccagcc cctaagtctg cgagacgccc gccccgcctt 360
t 361

<210> 171

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076383

<400> 171

tttttttt tgtaagaata gttttaatc catttctca caagcagtgc acagtgggcc 60
ggcagtaactt aagtacctt tcctaattcct ggatgtgctc atacaggctg tcaatttggg 120
tccgaaaagta ttggaaaagc ttcctcgct ttgcttcaa tttttgtgtc aagagccat 180
tttcaatgga aaatggctt ggatgaagaa aaatggctt gacctgttca aaagttttaa 240
ggccactttc ttcccaatt ttctgcaagt cttctaaaat ggctccctt acaacttggt 300
tttggcacag ttccctaaag gagcccttca ccccaagctt ggctgcaaat gagggaaagta 360
catctgtgtc aggaaccacc actcctacta aaggatgacc gtaagctctc cccgtgtaca 420
aaaattttggt aacactgggt tgactcctgt tgtaga 456

<210> 172

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA076672

<400> 172

ttttactttt aacatttagca ttaagtttgt taccgtacac atccaaaggc ccagcatctc 60
agaaaaaatca ttagggggca cacctgtacc agagtctcac aagaataaaaa tatacaatgc 120
tacattgagt gttaaaaat acacaaaaaa gtagttttaa caatctataa attttttata 180
cttaaaatca tgattgagtt gaaataaaaa agtgcatttc aattgctaaa aaaataatat 240
cggtatagtt aacacaaggg gaaaatca gatggaggg atctgacagg atgctggaaa 300
aaatgactca gggaaagccgg gcagcatggg ctcccttgga gattcaggag cggctcagtt 360
tccacctcac tgcagttccc tggggccaag cagccctcct ctccccagta tctttcccat 420
cttaagagat c 431

<210> 173

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA078862

<220>

<221> unsure

<222> (1)..(417)

<223> n = a or c or g or t

<400> 173

agccttagat ccaaggacag tccaaggaag tcctaagacc atggagttgg tgatctggga 60
tctgggtttg ctgatatttc tcaccgtcaa tctcttggtg gtgtttgtgg gcacgagagg 120
ggcagagaat ggagagttag gctaccacat gaagcgtcac cagagctgt ccctgctgcc 180
tgctcagagc accccggatc cactgttcaa tctgcacaag attcggggtc cagacatggg 240
agacttcagc tgcctcagag gaccgtggac agggaaaggcc agcctcgcat ccctctgtcc 300
atgcctggaa atgacttaa ttaacccaag agttttaat ttttggaaant ttgttaagctg 360
tcggttcacn ttttaaccc acccattcaa ttaaaccnnt acaggaattt gcnaaaaaaaa 420
aaaaaaaaa 426

<210> 174
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA079758

<220>
<221> unsure
<222> (1)..(382)
<223> n = a or c or g or t

<400> 174
gggtggcctg agagtgggtgg gtgccacctg tccggggcg agagagggcc cgagggcagtn 60
taaggccat gngggagaag cagggggctg cagctngcn atgcgggtgaa gccaggccga 120
ggcctggagc agctgtggta gcccgaggca ggggtggaaagg caccggactg ggaccgggccc 180
agggtacag ggcggaggac ccaggccaca cgggcaccccc gggaggcc ggcacaaggg 240
tcacgtgaca cagaacatga aacacaggca cagggttcac agtaagcaca ttggacaagt 300
gggcacaggg tcataaggcca gatgcacatc cagccatggc tggggccaga cacttgggac 360
acagtgggtgg tgtcacacac ag 382

<210> 175
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA083812

<400> 175
tactttttt taaaagattt ttttgtaaag aagggttgta ttttagaggcc agtagctaga 60
gatccaaccca gtggacacct tgaagcacta ccagggctta aggccaccatc cgagggagac 120
tggaaaaact attattcacc caaggcctcg gaaatgtaat gtaccagcag gcaaaaaaca 180
gttcttcattg tagtacaaaa taaaacgaaa caaaaacaaa aacagaaaagt aaaaatgaaa 240
ccaaaacatt tcttaaattc tagtgccata gctttttgt ttgtttgtt tttgttgg 300
ttttgtttt ttcataagaa agagagaaaat atactactta tccgtcagac acatgcattcc 360
tcatgtggtc gttgaactgc tccgatttgg tcaa 394

<210> 176
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084286

<400> 176
tatttttaac tttttttta ttgttgacac tattacagat agaatgacca caaccatatt 60
aacaaaccaa aaacctgtgc acagaaaaca gatgaagaaa atatatcaag atgttaacca 120
cactctttgg atggtaaaaa catgggttag tttctcttct acatttctgt aacttcaaag 180
tttctataat gaacacattt catatataat gtagtaaagg tggactacca 240

aaacactaga atgatgacct ttcaagaaaa ccgaaacaaa ataaccataa tcccacaaca 300
accacacaac tatttcttgt ttttcatttctt tcttcccatc tttgacattt atgcatactt 360
atcactaaca ccctaataat cacagactag tgcacagatc aagatgtt 408

<210> 177
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084318

<400> 177
tttttttgta aaccaagttc atcttttattt aaaggattga caatcccatt ttaaacaatt 60
ctttgattta caaagaggga ggttagactcg ttagcctccc aaccttagct taaatcgta 120
tggccagg ttcctgtgg ttcagctgaa tcctagacag tttcccttct cttcataaaag 180
ctgagaagaa aaaaaaatta tctccatcta ggcccacggg aattttgtgc atagacagtt 240
tgaattggtc tgaaaagtgt gactagctac ctaccttattc acaatgccta gaaaatggc 300
taccagatat ggtatggtc aaagccccga ctttcctgtc tgaggtactt gggtttgctc 360
taaggttagac cttggcaagg gcccctaatt 390

<210> 178
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084343

<220>
<221> unsure
<222> (1)...(442)
<223> n = a or c or g or t

<400> 178
tttttgcgtc agaaagacct ttactggca gatgggggtg ttgagatacc agtggacaga 60
gtgagaggat agcatgtcct ccagaggcgc gggggtagtg tccctgcctg ggagcctaag 120
cctgaatgca ctaagggtcg gcaccacaga cgggctcagg ggaggccgc ccacaaggnt 180
ttcggccctt cttcataga gacaccaccc ctgacctggg gtacacggcc atcgcgctca 240
cagttgtctt ggctggctc aggagcactg tggatgggc ttgggggctc aggagggtcc 300
ttcaggaagg aagaaggagg ctgggtgggt gtatgtggg catgtggag atgtggccc 360
caagaatgat gttcaaggattt gagcagaacc attggaccta gaacttgtt ttcctttggg 420
ctcatttggaa acagaaagct ga 442

<210> 179
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084408

<400> 179
tatattgtca ggcctgtat tagtttggta ctggtagtttta gaagaataag tggattatgt 60
tgaagggtcta ttatgttttag ttctcgtgtg tgtgagggtt ggaggtaat tataatggtt 120
gttagtttc cgcgttgggt ggtataatt atgtatattt agtataatacc tataataata 180
atgttaattt cttataagaat aatggtaaaag tttgatcaag aaaataatga tatgttaatgt 240
aataatttctc ctattagatt gattgaagggg ggttagagcta gatttagctt acttgctatc 300
agtcatcatg tggctataag tggaaagacc atttgaagtc ctcggccat gattatagta 360
cggtgttgcga tccgttcgtt gttggagttt gctaggcaga ataggagtga tggatgtgagg 420
ccatgtgcga ttatttagtaa 440

<210> 180
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084668

<400> 180
caacagatga agaaaagttt aatttcttt cacatcaaac attgtttacc acaatcagct 60
aacagaaaatt actgtAACAT tggtcacgat gacttcataa aactaaagat aaatgttatg 120
agaaaacttc atttaacgtg aatggtaatg ttagatactg tattttcca tggtaaaata 180
caacttatct tgaagagaaa gcaaatagtt cagatcaggg agacatgctg aggtttaat 240
aaagaaaAGC ttggcTTGT ccagaacact taacaaagtt caggacaatt taggtaaaag 300
agatgagtga gacaccagcg ttaggcaggg acataggctc atcattcagg ctttatgg 359

<210> 181
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084901

<220>
<221> unsure
<222> (1)..(413)
<223> n = a or c or g or t

<400> 181
gagcagttga gcgcggggnt ggccggcggc ctccgtgccc atgattcagg ggcacagctg 60
ccccagcac acacacttcc atacgcactc acacccacc cccagacaca ccccccaggtc 120
tctggaaactg gcccagggtc ctgctgctc cacagccgca ggacagggtc caagggtctac 180
ccctcccccc acccggttc cttagccctt ggacgcccac ggcccttctt gacttcttg 240
tccctgaggg gggacggatg gggagagggg cggtggtcga gggcggcggc ggtggcagga 300
gtggaggttag aggtagctcc gtgggctccg gcaagcttgg ggctggggcg aaaccctca 360
aaaggggaga acttgagggg gctgacgggg gccccggct actgttgagg cgc 413

<210> 182
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA084921

<400> 182
caacataaac tccaaactca ctgaggtggc tgaccacgac cacgacccaa gccgcctcta 60
aactggaaact cagtggtcga gccagccccca gcctcagctt tcttgtcagc tccagggggc 120
acagcgctcc ttctgttaggt gtctctgtca gcctcccttc ttgtaatct tgcaggtcgc 180
tcaccctctg gacctttggg ccgaggcatg ccggctcgg gacggctcgg acgcagggt 240
ggcgggcacg atctccgggg gttaggtcgg gtatgtcgg agataactgga tgcctcggt 300
cgtaaggtagc cagtagaaat gtctccaagg aaactgttcc ttacatgaag gttgggcaca ttttgcgtc ccagctccgg 360
gagagactgc atggcTTCA ttacatgaag gttgggcaca ttttgcgtc ccagctccgg 420
gtgcttaggc atgtg 435

<210> 183
<211> 572
<212> DNA
<213> Homo sapiens

<220>
 <223> Genbank Accession No. AA085987

<220>
 <221> unsure
 <222> (1)..(572)
 <223> n = a or c or g or t

<400> 183
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 aacttgccca gcacttcata gctgtatTTT gggTTTTat caaattcagc tccatTTgac 120
 ataagcaatg attatcttct caaatacacacc acccaccaat ttcatagcat cattttttt 180
 ccccaaagca agaaatcata tgctgttctc agtgcactcc aagccattca ttcatttcac 240
 ctacactcta aaggtacaaa gcttcccttc tttaaacaca caagggtggca cctatgaagc 300
 agacagaga tgaggactga ccattattgg ttaaggatca attgcaacca tctgcagaag 360
 cccaaagata agattaaaac tgccatttgc agtaggggca gcgggtggac cacctttgaa 420
 tcggcactc ccaaacaggc catgtttcag agtaaaaaa gtaatctaga atgccagcct 480
 gtctggcacf tcctctggaa aatggcacat ggtcatcctg attcaaagac accggngggg 540
 ggacggata catatnccaa tatcctttac tg 572

<210> 184
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA086071

<400> 184
 ttcttgcttt cttaaatct ttatTTTTAA gtccatgcta ataatgttt tacatTTTA 60
 cagttacatt atgatagaaa ctgttggatt tttaaatat ctaaaacaat ggcccactga 120
 agaaaggaac aattaactct ttaattaatt ccttagata aataccaga aattaacag 180
 cttagggcaga cttctaaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact 240
 tatgtccctt agcattataa cattctttag ccaatagtgt aaaaatacgc tgacaatTTT 300
 ataggcaaac attactcaag gtatcttact ttccacttata tactaaaggt aattaacccc 360
 taaatagatg ctcctcaaca gtggactac atcctggtaa acctatcata agttg 415

<210> 185
 <211> 408
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA086201

<400> 185
 tttttttttt ttgcataa aattatctgg gtttaattat tatcaatatac agaactata 60
 aacattaacg tactaaacct gtatTTTaca ttacatgtac aaaaaaaaaat gttctttgt 120
 aggagcaatt ttgcacaaat ctgacaaaca gcaagagtca ttccttattt gggTTTgaa 180
 agagaaatgg aaatttccaa gacccccccc tcctccctct cactccagtg accctctgaa 240
 catcaatttg caaaggcctg aggtagaag ggaggtatta acaatatacg gcactcattc 300
 ttcccctctt atgaaaggga tgaattttt ggaaccgttt tccatcattt attatactga 360
 tgTTGCCATC catctgcacC attaggttca gttagttacc atgacaat 408

<210> 186
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA086232

<220>
<221> unsure
<222> (1)..(460)
<223> n = a or c or g or t

<400> 186
ttccaataag aaataagttt gtttattcct gtagcgtaaa aatctgtgct tcgggattca 60
gcgaactctt ggaaagcatt ttctgcattcc tactggttcg ttttcctgc aaaactgctg 120
ggatgcttga agaagtggta gtcagttggc aagaggtcag gtgaatatgg tggatgaggc 180
aaaatttcat agcccaattc cgttcaacat tttttttttt tgaaatgaa gtctcactct 240
gtcgcccagg ctggagtgca gtggcacaat cttggctcat ccgcaacctc caccccccgg 300
gttcaagcag ttctcttgcc tcagcctctc cgaagtagct gggatttaca gggcgccant 360
aaccctatacc cagctaattt tttgtatttt ttagtagaga caggtttcan catggttggc 420
caggctgttc tcgaactcct gacctcaagt gattccgtcc 460

<210> 187
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA086412

<400> 187
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gaaggaaaaag gagctgggt caggttctgt ttacgtcctt ctcttacccct agctcttc 120
gtgttttgc tattttttgc ggcattttct tagcatgggg atcttcttagc tccttggcct 180
tataataatgg gggagccacc tccagaagcc aactgctctc aatctccagt acctgtctca 240
tgaactctttt ggtggtaag acaagttcgt ggttagagcag ccagcgttgt gtttgctcaa 300
agagggagga gttgggatga atgaagactg tctgctgctg tttcaactgtg cggtaccact 360
ccgagtcac cgtgccgtgt ggtaaaagta accagcagtg atggccttgc gtacacggat 420
atagtcccccc tggcagga 438

<210> 188
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA088698

<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t

<400> 188
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aaataatata cacagaatgt attgttagtt cgatccctc aaattttata catatttact 120
ttctgttaaa gagaaaagga taaaatggta taaaaaaaga taaagctatt aattaaggcac 180
gagagagaag ataaatggat attttccctg tgtgaggcta agacagaagc aaatctcggt 240
aagaaaaatg ccaccacac aacagggaaat ttatccaaaa caaaacaaaa gcnngttatag 300
aacccttctt ctaccatcag aagtaatttc acagcaataa acttatttgt taca 354

<210> 189
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA089997

<400> 189
ggtaaataga agtcctttag tatgtgttac aagaatttcc ccacaacatc ctttatgact 60
gaagttcaat gacagttgt gttttgtgg aaaggatttt ctccatggcc tgaattaaga 120
ccattagaca gcaccaggcc gtggagcagt gaccatctgc tgactgttct tgtgatctt 180
gtgtcaggga catgggtga catgcctcgat atgttagag ggtgaatgga tgtgtttcgc 240
gctgcatggg atctgggcc ctcttctcct ggatcacatc ccacccaggg ccgcctttac 300
tagtgtctgc cttagatggtc agaggtcatac aact 334

<210> 190
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA090257

<400> 190
tagaaataga aaaggtaaaa ttgctttct tctgaaaaga acaagtattt ttcatccaag 60
aagggtttt gtgactgaat cagcagtggcc tgccctagtc atagctgtgc ttcaaaaacc 120
tcagcatgat tagtggtaa gcaaaacaag gaagcaaagc aaatactgtt tttgaattct 180
atctgttgct tgaactattt tgtaataatt aaactttgat gttgagaatc acaactttat 240
tgtagacttc attgcaactt gaaattcatg gtcttaaagt gagatttggaa tttctattga 300
gcgcctttaa aaagtataacc aaccataagg ttaaatctat gtatatttag 350

<210> 191
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA090434

<400> 191
ccataatgta agaagctttg gtggcagggtt acagagttct gggatttctt ctcacaggcc 60
caatcctgaa tggcccctg gaccttctgg acccttgagt ccaaggcaga tcctctctcc 120
caggatccg acacaggagg aacccttctt ctgggtgagc tggccaggc ctaagagtag 180
caggaactct aagaccacag agttttataa aatgtataaa tgtatcaagc caaatgtgca 240
gatgctaact gggacattctt gggggactgg acaccag 277

<210> 192
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA090439

<400> 192
attgtattaa gtttattttag ttaatttact tgaggaacta accagttttt actttctgtc 60
tagaatgtatg tacatgtatg aattgcggaa gcccataa agccctccgg cttgaggaga 120
gagtgtatag tcatgggttc tgcctctgtc ccctgtctgg ccgccttctcc tctgccttct 180
ttctgggact cagggtgttgg gggctgagcc tggtagggac agcatgcctgtc cttgctgttgc 240
gcactccccaa gtgtgccttc ttccctctttt acaaacaagg gt 282

<210> 193
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA091752

<400> 193
gaaggctaa gca gttatctc gtc cacagag agctggccta caagggtctg gagctggcag 60
gtatgc ttc taaggatctc aaagtaaagc gtatcactcc gcgtcacttg cagcttgc 120
tccgtggta tgaagagttt gattcttca aaggctac catagctgg ggtgggtgtga 180
tccctcacat ccacaaatct ctgattggaa agaggacac cagaaaactg ctttaggg 240
tgcttaacc accctcttcc cccgtcaatt gtactgttaac tggggcaaag aaataatggg 300
gatatgttga ttacacag ttaatggaa catagcaata ctgtggatg ttaaagaaca 360
ttgtatgttc 370

<210> 194
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA092129

<400> 194
tctcacgctg cctctgtgg tccctccctc attttcctg gacgtgatag ctctgcctat 60
tgcaggacaa tgatggctat tctaaacgct aagaaaaaaa aacaaacaca gaactgttcc 120
aagtactcaa gactgactta cagaccaacc aaccacctt ctggaaacct tgctagcagg 180
cattcttata aaagaaacct tcgagcctcc ttatattgtt gqaactcagc tgcgtccag 240
actagagcct ctttacctat ctatatgtt aattaatttt tctctatatac atgtactctg 300
cttttttgg tacagt 316

<210> 195
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA092290

<400> 195
gccagaattt aaagtatttt ggggtggct gagggtcaga ggaagaagta aaaattgtga 60
gaaaggagaa acatgggctt tgggagaacc cagaattgg gacagaagac ctggcactaa 120
gctatagcac ttagcaccc tcgtatgtt ttccctcgat cgtaaaagga gattaacagt 180
gttttctgc ccacccctt gggagaagg aataattttt tagtttttttggaaa 240
aataataagc actctgttcc tatataagta gccaaggcatt attattatca cccatatcac 300
tggttagatac 310

<210> 196
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA092376

<400> 196
ctgggtccgg cgtttggct acgggttgtt ttggcgactg tgcttcaagc gttgtctgt 60
tttggggcag agtttcatc ggaggcatgc agagagttt gctttctgtt caacttgc 120
tgcaatgttctt gtatgttcc cggacagtcc aacctgctt agctggatcc tgattgcaga 180
ggatgtgtc aggaggaggc acaatttggaa accaaaagct gtatgcagga gctattctt 240
agtttggta taaattggaa agttccctca gtccagctt gtttagggta taaccaactg 300
ttcagaggct caa 313

<210> 197
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA092596

<400> 197
atgaaagca cgttacttct gaccgtgcct gagtaagaga atgctgatgc cataacttta 60
tgtgtcgata cttgtcaaat cagttactgt tcaggggatc cttctgttcc tcacggggtg 120
aaacatgtct ttagtcctc atgttaacac gaagccagag cccacatgaa ctgttggatg 180
tcttccttag aaagggttagg catggaaaat tccacgaggc tcattctcag tatctcatta 240
actcattgaa agattccagt tgtatgtc acctgggtca agaccagaca gcttccagg 300
cctggtatca ggagctctca gcctctgagg ccctactaga gtctagagtt ctgatctgtt 360
368
ctcagtag

<210> 198
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA092716

<400> 198
gcgagtctgg aactcttct tcggggcccc gggcacacc atggaggtct cctgttgaat 60
ggcccttgtt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120
tgctgaaggg gcattgggcc accgttaagca agggaaaaag ggcagatcat gcggggagat 180
gaccttgatc tttgattgct accctaacct tgaccttaa cccgtgatcc ccccagctcc 240
tggagagatg tctaatatct ctttagggacc agaccctaaa ttctctctcc ccatttgatg 300
307
ttagtgg

<210> 199
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA093497

<400> 199
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agttagtctg aggatagttc agatgtgaa ctttaattttaaaaatggaa gaaacccct 120
acagatgaag agttaaaggc aacaataaag aaattactgg ccagtgtcaa ttggaaagaa 180
gtcacaatga acagattgc aaaagggtct atgaaagtta tcctacttat gatttactga 240
agaaagattt cataaaacac taaaagagc tatttcttag atagagcaga gagatgctcg 300
314
tccatagatt gagg

<210> 200
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA093923

<400> 200
gtcataatgg accagtcatg tgatgttcaat atatacaact ccaccagacc cctccaaccc 60
atataacacc ccacccctgt tcgcttcctg tatgggtata tcataatgtaa catttactcc 120
tgtttctgct gattttttt ttaatgtttt ggttttttt tgacatcagc tgtaatcatt 180

cctgtgctgt gttttgatt accctggtag gtattagact gcactttta aaaaaggttc 240
tgcacatcgatggc agcatttgac cacagtggac gcgtggctat gcaggtgatt cctcgtt 300
ccttggtct 309

<210> 201
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA094507

<400> 201
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ctctgtggct gtactgctggc agaatgttcc caaccaaagg gaaaagagac cagaaggaaa 120
tggtaatggatc gagtggaaatc tagccatgcc tctcctgatt attagtgcct ggtgcttctg 180
caccgggcgt ccctgcatct gactgctggc agaagaacca gacttaggaa aagaggctct 240
tcaacagccc agttattctg gccccatgacc t 271

<210> 202
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA094517

<400> 202
aaaaccctca accctcacct tggaaataca aagaagggag atatgaaaga gaaggttagaa 60
tttaacagct atctaattgaa tgctgctgaa tttaattttaga tggagctggaa aagccttttc 120
cagcaggggca agcacctaa ttttatggc atttattttagg acatcttgat ctactgcata 180
aatttttaact gatacacatgt agttaat 207

<210> 203
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA094752

<400> 203
gctggaaaga gcttcagcag tcccatgtgc acgtccatga cttgcagagc tttggccttg 60
acaacatcaa catgacccac tggatcatg aagggtggacg gagaggtact gaggactcat 120
cgattcgctc atctaccatc cagcacgagc catccagaag gaaattgtatc tagggaggac 180
acggtagtca ccctcgggtct tcctctgtct ctcttctcc tggcctgtgg tggcccccagc 240
cttgccaccc tcacccatgg tcagcccagc ccaggtga 278

<210> 204
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA094999

<400> 204
gaggatcaga cttttttcc cgtgagacca gtatttggcg ccatatataa gcctggtaa 60
attgggtcatc taaagctgtc aaataagaca ttctgtgaaa ggttaaacatc gaaactggtt 120
ataagtaaaa ccatcaagcc aacaacaggg tcttgagata acctttgaag cttattgtac 180
tggcctgcac cagaagatgt ctgcattact cattgctaaa aatgtgtac acagaactgc 240

actaggatta atttgtttac aagaagaaaat ttaaactcta cgtttggtt tcacatacag 300
cagctctatt gactaacatg catctgagtt taagtgc当地 aggt 344

<210> 205
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA098864

<220>
<221> unsure
<222> (1)...(465)
<223> n = a or c or g or t

<400> 205
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acttcacgc tttctctgta agtttcatt caaaacatct ttcaatttct ttttttctt 120
tttcttctt tttgcctca ttttagttt tttgagttt ttgtggctct gtagtgactg 180
gctctaatacg aatatccctt acaactttgt ggcagttaat ttctggatga tcactgtgac 240
ttccatattac atgtatttgg caagattttt gaggattttc tttaatgga ctgggttcaa 300
tcttnattct ggaagcttca ccgtattttt cctgattttc tataaaccctt attttcacct 360
ggactgagag gctctccaaa ggccagtaac ttcccctgga ctcccctggtt tcccnaaaat 420
tttccttac aacaatcagt ttttttaatt tcacaaggc tggtt 465

<210> 206
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099225

<400> 206
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aatgtggta tatacataca aaaatacata aaactaaaaa gcaaaaaaaat ggcatttaac 120
atttagccat aataatatac aacatactac aggtcacatg tacattttca ttcatgataa 180
cttagtatgc ctaataattt tgttaaaaaca atattcttaa aatgctttag tatacaatgg 240
aatcttaaaa tgtgtgtgat tcgaaccatt tacactgtct taagcactca aaagaaagaa 300
actgtcttctt gaatagttcc taa 323

<210> 207
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA099391

<400> 207
tatctgctt ttgctgttag tttcaaaactg ccagtatttt tcctttgct tttaaaatag 60
ttacaatatt tttcatgata gccacagtat tgccacagtt tattataata aagggttttt 120
atttgattta gcgcattcaa agctttttc tatcaatttt gtgttcagaa tataaccttt 180
gtgtgcgtgt atgttgtgtg tgtgcattgtg tggcgtatat gtgtgttaca ggttaatgcc 240
ttcttgaaat tgtgttaatg ttctcttggg ttattatgcc atcagaatgg taaatgagaa 300
cactacaact gtagtcagct cacaattttt aaataaagga taccacagtg caaaaaaaaaa 358

<210> 208
<211> 275
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099404

<220>

<221> unsure

<222> (1)..(275)

<223> n = a or c or g or t

<400> 208
attagcataaa ttactttatt ctaacannta gtttaaacaca aattcctaatt agtctgatcc 60
aggatcttt ggggtctacg ctccccatcg cctcagtgtc cggtgcattga ggaagggtgtc 120
ctctgaaggg cggggccgga gttgaagtgtc gagagggggc agaccgtcca gggtcagggtg 180
tgagattca taaaatagcg ttctgggtc acacaagatg gtcatgtctg gcccaggccc 240
agtggtcc tggtggagg ttggggccaa agcaa 275

<210> 209

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099571

<400> 209
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agagcatttc ttctggctc ccagaaatag cttcaacaac acatttgtat ttcccttag 120
aaaattttat tcccttgaag gagaatgata ttgttgtatt cacagtctt cccttcagag 180
ctctgaaaaa agagtaatcg tcatacgtc ctcggcaaat aacttcttt cgctttggaa 240
gattcatggt gttgacagtt atatacgat tgaaatataa ttgctttaaa tcttccttg 300
gaatgttagaa aatgtgcaat aatcccttgg atccttcaa ttctatacag gggtaacat 360
taattgaaat tgggtattgc attttatcac agtaggtgtt taaaatactt gcatcggatg 420
agttgcagac ccaatactgc ttctgagctt cagtaaatat ggaagaaaaac aggggg 475

<210> 210

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA099589

<400> 210
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aatggttca taacacgggt gatctaagta atcatcagtt ctgtaaagtg caagagcatg 120
accagtaaaa tctataaacgt cttgacccaa atcaaatttc ttatacacat ctcgcattgt 180
ggtcttctta ggatcaatgc cttcaaaaat tcttgatct ttctcatcga agttggcaac 240
atacactagg aatttcttga agcgacgtt ttcaacaat cccatttaggc tagatgccag 300
ggcttctgtc tcagtgaaag gaaccttgc gattttcca cccttataga caaagctccc 360
ttcagtcact taaaatcca gatagcgagt tacctctgtt taaaggcgc tcttaaccag 420
ctgaccattt gccataagga acttggaaat caagtcaaca ttccagtc ttccag 476

<210> 211

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA100026

<400> 211
ttttttttt ttaaaaagcaa gaataatctt tattccttgg aaacacattt gtaaaaaatgc 60
tatcaataag atgaaaagat tcagaacaca ttatgttgc tgtagcacat acactgagca 120
tcagaacgtc tgctaaaatg gaatacacct gtaaaacaaat gccttaggga gagtttata 180
gtatcgact ccactgtgca aggtatgcag ctgatacctt cttgctgaat agattttgc 240
atgatccaaa aaagatcaga tttagtaat aaaatatctc aaaggatgtc aaacatttt 300
tagagggcct aacatggca aaattacaat tacatataca aaaatggcac aagaatcaac 360
tgatccaca gaaatactaa taaaacattt caggcttat tattaagaga aaaaaatgtt 420
tgact 425

<210> 212
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA100719

<400> 212
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aagtacagt atagctcccc ctgggcaata caatacaga aacgtgggtt ttgtcaaatt 120
gaaacaagga aacagaacca cagaaataaaa tacattggtt aacatcagat tagttcaggt 180
tactttttt gaaaaatcaa agtagagggg acttctgtat tatgctaact caagtagact 240
gaaatctcct gtgttcttt ttttttaaa ttgggtttaa ttttttttaa ttggatctat 300
cttcttcctt aacatttcag ttggagttatg tagcatttag caccactggc tcaatgcgc 360
caccttagtg agagtggtgac caaatcttaa agcattatgt ctattatcag ttaccaccat 420
ttgggggctt ttatcccttc atgggttatg atggc 456

<210> 213
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101055

<220>
<221> unsure
<222> (1)..(426)
<223> n = a or c or g or t

<400> 213
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gaaattgttt caggctccaa aagaagagga ccacatgtca ctgatgtgt atgcttata 120
aaaagatgt caaacgtttc tggcttctga aaattaagtc cttgtgccca ggaacaattc 180
ttgggggttcg gaacatcttc cccaaatagc ttntcattt tttgggtgtga tattaataat 240
gttccaagca ataagatnga agaggnaata attacnggc caattacntn taaacctgca 300
tcactctgggn gttttcaat atcancttac agtggaaacta ttaattancn ttggtttcc 360
cactccttcc nttaaatantg ggttaaagact gaacngggac ntctnaatgg ggataaaatg 420
atcangggna taaaa 435

<210> 214
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101235

<220>
<221> unsure

<222> (1)..(512)
<223> n = a or c or g or t

<400> 214
ccataattta tttaagccc taaaatgaaa ttgtgaacca taaaaaatat gttgtaaaac 60
tatTTATGT cataaaagaga actaactctg ttttatggT ccatctacca atgtcttccg 120
agcagttctc tctccTcaa cctcctctac ctcttactc accctcacTc agcctaacct 180
tgcttcggat tttattaagg aaatccaatc aatcagaaga ggTTTCTaca atttactatc 240
acatttaccc accagccatc acctctgcca tatatgctcc tctcctattc caatggctgg 300
aatgtctcaG ggaagaccaa gcccTTcaT tgcacattag atccccagctc tctgtccccat 360
ccattatgga agctgcacat cacccCAGTC acacaagagg ggcactctga atgaggaatc 420
ntgtaaacta ctccaaatca ncagtcttga acagtcttga acacgcattG ggttaaaagta 480
ctccTTTATC tggTACATTG GCTACCTTT TA 512

<210> 215
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101272

<220>
<221> unsure
<222> (1)..(493)
<223> n = a or c or g or t

<400> 215
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tcccccaGGG caaccccaggT atggTanagg ggctggTctg tccccaccca cttctccagg 120
atccTcccag cccccagntg cntntccct ccaactgtca gctgcttagc tgctcatctg 180
gggattgcaG ctggagcatc tgcacGTT gtctccttga caaacagctt cctctttggA 240
aatggctca ctcaGgtcct gcaggTcatc gagcaggaca gagaggGacc ctTTTATGGA 300
ctccctggTg ggcactgctg ctgctacagg tgcagatgct gaacactctg gaggcctggg 360
gntggacacc acagatttct tcttatccag tagggaaGGA agaactgtca acagtgcTg 420
ctgcttgtaa cgggagagga gacccTccTg ctgcaaggTg gccagcatga ggttcttatac 480
cctctctaag ctc 493

<210> 216
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101551

<400> 216
ttttctagta agactagatt tattcaatac cctagtaaaa gttttgatta taagtatcca 60
acagtataaa aagtacaaaa cagatctgtA gatttctaAt atattaatac aaagtgcAtg 120
actacataca gtacatccta caggcaaaA gaggTggAag gggaaaaAga agactgtggT 180
tgaggtctag taataaaataa ataaataacag aagttagagat gatccatatt atagtatatt 240
ctaccaccaa tactgcagcc aaaatgtaca aaaaaaaatca tttcaaaataa ctcaggagga 300
tgataatggc tggacttttG taattcacct caaagactgt gggagagcca actcaactca 360
ctgtatagtc tgcataatg gtggcttGta gcatgttaggt tttttccaaa agaaggaaat 420
ataaaatgtt tagattaaga acta 444

<210> 217
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA101632

<220>
<221> unsure
<222> (1)..(451)
<223> n = a or c or g or t

<400> 217
tctcaacatg gaaaaactgt tcaggcacaa agattaaaca agcccggtt gcattcccttg 60
gattgtactg aatcactggg tccccccagcc tccctaccta cccctgcacc ccagatctgc 120
cttccccata ttcatggcct cctcctccaa agcagcccaa agcagcaatg atatttacta 180
ttttatatca atctcttgct atatatataat atatctatat atctatatat ttgtctatcc 240
tatataataca taggattta atgctttgaa tgagtgaagg agtgaataagg gaaagagcac 300
atgagtgagg tgtaaatgtc accaaatgca ttaagggaca tattttagg agctggacat 360
ggggaaaggg actattaacc aaccgtggcc ntgccaggc tgggagaagt ttncactgt 420
gctggataag gcagtagcaa gcaggggttg t 451

<210> 218
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102098

<400> 218
agcaaaaaat tttaatttat ttgatttgca tgctacagag atttagctaa actttgttca 60
tttggctagc aatattctt ttgtacctgt aacacttaag attctgatat acaaaaattgt 120
aataatatac tgataattca aacttgagaa cttaaatatta cattctttt accctgtgcg 180
aataaaattct acctttaaa aatagtattt ataatattaa aattcatatt tgtccatatg 240
gttttgtgat caagttatta aaatgtttg tcactgtgaa tcatttggt tagtacaaat 300
atgacaagat tattaaaagc tgcctataaaa tacataaacac tattgctgac ttttaaagtg 360
tagaaaaagg attatattaa aataagtca tctctcatgt tagaaatgga gaaaaatttt 419

<210> 219
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102489

<400> 219
agtctacaag tttagaccca catgtAACGG attttgctt catgggtgtc agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcggggacc cttctaaagggt ggggacccga gtgatctaaa gcagggtggc 240
ttccagcaca agggtgccga 260

<210> 220
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA102571

<220>
<221> unsure
<222> (1)..(421)

<220>
<223> Genbank Accession No. AA112209

<400> 223
atcttatatt tatattttat ttccttctct atagagagag caggtaaaaa catgttagt 60
gttccctcgc tttccaagtt acattttata ttgagcagat ttaaaacgag attagctgta 120
ataggactcc aggtgtggg cagatgtcta cttgtcaaag acaatctc tcgcaatcag 180
ctccttcatt atttcattt taccaccata gattggctga actctggcat ccacataa 240
ttttcaatt gggtaactccc acatgtatcc ccaacctcca tggagctgta cacagtcgt 300
agctacacta tttttaact cagatgccca atattcgcc atgcaagcag tggccggatc 360
caaacgtttc gcttcatgca gctggagaca gttgtccaca aatgctcggg ttacacatat 420
atgtgtttt aag 433

<210> 224
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA112679

<220>
<221> unsure
<222> (1)..(373)
<223> n = a or c or g or t

<400> 224
atacagatta taaacaataa gaacaatgaa tagtagtact tactccttc ttgtcatgaa 60
tccaggattt aggtcaactc aatatgaaaa actgaagcac actacagaca acaggacata 120
gagaatgagt ggtatccct tcaaattgaa catcttgta agtgacatat gtatccaa 180
gatgcaaata atgctnaaa cttttttt catttttta caattttaa tttttttaa 240
gacagtgtct cactctgtcg ctcaaggctgg agtgcagtgg cgcaatttag aactcactgc 300
agcctcaacc tcctgggct caaaacaatc ctcccacctc agccttctg agtagctgc 360
actacaggca can 373

<210> 225
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA112979

<400> 225
ttttttttt tttttgttt gcatcaaaca aaagagagtt ttatTTtaag ctttgcattt 60
ccttaaaagt gaggactttg tcaaacattt ttatccactc tgagaaatgt acaatgatta 120
gaaaagtgcg tgtcataata attttcatat atatgtactc caaaacatca caaacacacg 180
gtttggat aacttaagga gtataacctg aagatttca aatttcataa attagcctt 240
aatgaattgt aaaaaatatt ttatTTaaa aagtttatgt tttctgaaca catgagtatt 300
taatcattac ttccacctcg caagactcac aggaaaataa aacagttcaa atagaaaagg 360
agaaaaaaagt ccaaa 375

<210> 226
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA113149

<220>

<221> unsure
<222> (1)..(234)
<223> n = a or c or g or t

<400> 226
tgatattttt tgcaatgggc acagtgtgc aaaaacaaga tattaagact ataaaatatg 60
tgactacaaa gaaccagcga aataaaataca tagatattag atagccaat aacttaaggn 120
ncccggtgcaa cgatncgagg gatccgcgcn cacnggaagt tcttcttgct gcagggcttg 180
gagagcgccg gccacgtcct agcctcggtc cgactcggtcc agcgtatggc ccgc 234

<210> 227
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA113303

<220>
<221> unsure
<222> (1)..(460)
<223> n = a or c or g or t

<400> 227
taacaaaaca aaacatgttt ttatttttg attaacaaac tggttggggg aaggcaaga 60
ataagacatg cggggaaata ccagcttga tttagtcagaa actcctgtta tctgtacaaa 120
aaaatgaatg ttacaaaaat cacgtaaaaa aactaggctc aaggaagcag ccgccttgc 180
aagaggcgtc aaggcacctg ggaggctgag aagaggccaa cctggccatg ggcgtggctg 240
catggacagc tcttccctcc tgcccttccc cagatccct tccctcctgc cccgaggac 300
caactccctct ccccaattac aggtgctaca aaactgcctt gaataccacc gccaaggcac 360
tgccagagat gaaatggcc ctggagcaga gcctcagggtc ttccctcccc ttagccag 420
gcctggagaa aggaggcgtt gttcccgagn ccaggtggc 460

<210> 228
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA114949

<220>
<221> unsure
<222> (1)..(579)
<223> n = a or c or g or t

<400> 228
nttgcattc agaaaggagc agactgtgga gcaaagggtgg tagagaaaac gaaccctaca 60
gaaccagggtt gagtggtttgc cggagtgat ggagtttacc aggtggtaga atatagttag 120
atttccctgg caacagctca aaaacgaagc tcagacggac gactgctttt caatgcgggg 180
aacattgcca accatttctt cactgtacca tttctgagag atgttgtcaa tgtttatgaa 240
cctcagttgc agcaccatgt ggctaaaaag aagattccctt atgtggatacc ccaaggacac 300
ttaattaaggc cagacaaaacc caatggataa aagatggaaa aatttgcctt tgacatcttc 360
cagtttgcggc agaagttgtt ggtatatgaa gtattgcgag aagatgagtt ttccccacta 420
aagaatgctg atagtcgagaa tggggaaagac aaccctacta ctgcaaggca tgctttgtat 480
tccccttcatttgcgtggg tcctcaatgc agggggccat ttcatagatg aaatggccct 540
cgcccttcaggc caatccccgc cgtgctacaa tggganttc 579

<210> 229
<211> 417
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115562

<400> 229

attttacaaa tacattcata ttcaaagaca tgggtgctta tgggagagga tggtgtaaag 60
aaaggaaaa aagccataaa accagagaat ctttgcattt gactgtattt ctgagatccc 120
aaaccaaaagg gatgaatgtt ctgttatgcc ttaaatgtgt gcaccaggaa atgcaaacta 180
gaaagggtgg ctctgaaggg tcctcaggtt aggaagaccc ccagggtttt agaatccacc 240
accttcattttt ttcaaaagag tacctcagtt gtctgcattt gcttcagccca gcatgtgtga 300
gcttggtcat ttctcgaaag ccaggcaacc acaccagtgt ataaggctca agcaaatgtc 360
actcccaagc cccaaatggg actaaggcct ctgctggctt aggcgtgggtg taaatcc 417

<210> 230

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115735

<400> 230

taaatatgac agtctggat ttattttaaa gtgttaaaa tgtccaatat tcagaagttt 60
tcagggtttc ttaccaccc cccactccctt caaccagtcc ctgcttccag ggtccaggag 120
aagcagtgtt caggcagagt agtcttgc cagagcagaa caaggagttt tggtggccaa 180
gtggcaagta tgcaagctgg gctggccctt ggtggactt ctccctggctt tttctcccc 240
tcatcttcctt tcacgtgtctt ctcagccctt gcagagttt gagctgatac cctgggtcat 300
ggccacagtc cagttcaactt ggtggatgtt tccctggctt ctgtccatgc caggct 356

<210> 231

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA115933

<220>

<221> unsure

<222> (1)..(610)

<223> n = a or c or g or t

<400> 231

ttttttttttt ttttttttta atttcaggc aagtttatta tacagaaattt atattaatgg 60
gtgggataaaa tactttacag gagagggtca cacttcaga cactttggctt cccaaaggcc 120
ttggagctttt tggaggctg agcatcttcc aaccagggtc atgcacttgtt ttggcaacat 180
cctcaccacg cccaatccag ccccttcaca cactgacatc gcctacctgg gcccctctng 240
nggnntnnnt ttttatctaa ccagtgtaca caacatattt ataaccattt aatacgtgtt 300
agtcatgattt tggggataat gtcagctttt gtgaactgaa ggggatggcc agaaggcagg 360
atgctgtctt ggtcaggaat gtgacccaga ttttaacact gctcctgcac ggggtaccat 420
ggttgggtac gctgggtcaag tcgtcaaaac ggagagccag ccagctgcgg tgggggttc 480
naagctgaaa gggtagat tccacagatc cagcatcttcc ttccagacgc ggtactgcag 540
gagcccaactt cttgcagaca tcgataagca gccggctnng ctngctctgg ctccatggc 600
anaaaaatccg 610

<210> 232

<211> 465

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA115979

<400> 232
ttttttttt gaaattcatt aaatacactt tatttaaata gcatttatct cagttggctc 60
tatgccagtt ggtcttggta ttggggtaag ggggtattgc aggtaaaaag aggtgaagca 120
gattctggct ttcagttct tagctcagaa attccagcaa tccctgtagt tctttgcac 180
ccctcaccac ctctgaata gagagcaggg tcttataat atgctgaaca atgtcatcta 240
gttttctaa ctccttgcata gagccgcccga agtttcctc taggatattt ctatggctct 300
gaaacttgat catgagttt tccttctcat ttttcatctc caggaacatc actctcagtt 360
tttgtccacc tcctgagaag agccacactt tctctggat ccaattgggt gggccatagg 420
ctggcagtt tggagtcag ctggcctgc cagggcctcc tggag 465

<210> 233
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA116036

<400> 233
gagggaaaga caaaaacgtat ttattccagg ccaggtctta aaatgcacac tgcacggttc 60
cctgttgtt a ctagcaccag taaggaaaga acgtgcctt a cggcagccc caccagagc 120
ctgctgcgtg gctgcgtga ggctccccat gaatccacgc agtcttcttc ctcactggtg 180
cagttggta ggtttctac ctcacacaga aaggatcct taactataaa ttcacggtat 240
gcagagaaga ggacagaatc t 261

<210> 234
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA116075

<400> 234
tgtaattttt taaaacaact gtattgttca gatttaggag acaacctaag aagatgattc 60
tgtagtaggtt ggattttgc tattactgtt atgtaaaaa gactgctcaa ttaaatgaca 120
gattgttaca tatctccctt acaagagggg cgaactgata ctacaagcag ccagaacaac 180
ataatttagaa tagaattcca aggttatatt aatagagtaa taagtttaatt aaaaccaaga 240
tcaactgagc ttctatttac accagttcag acagcccaag aggaaaaagaa ctctatttt 300
gagacatatg tgactctttg agcttctgtc atccaggtgc catttctgat gcagcacatg 360
tgcactgaac agttggcaaa gaaggaaaaa gattatggta gatgtatgtg cagatgtct 420
ctctaattatgtat gtaaaaatacg t 441

<210> 235
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA121140

<220>
<221> unsure
<222> (1)..(267)
<223> n = a or c or g or t

<400> 235
atgttttagt taagaatttt attttaaagg aatttctgtg gcataacata aggtttatgg 60

tacttttact aaaagtcaact tataatgacc aaattataac aatttttgcataaagctc 120
attnaaatttt cctaaaagta gaaaaagtac acattatata ccattttgca cttaattact 180
tctttaaaat ctcaaaataa ttcaagtgtan aatgttagtt tcaaagacaa ttatggaa 240
attacaagca cttacaaagg ttccctca 267

<210> 236

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121257

<220>

<221> unsure

<222> (1)..(413)

<223> n = a or c or g or t

<400> 236

ttttttttt tttttttttt ttttttttgcctt ctattgcttt atttgggtt 60
ttataacaagt gactaaaata aatagagtaa caaaggcagc tacatggccc aaatctccca 120
gcttcctcag gctgctgtct aggtatgccta accccggggtt accgctgacc acccccaacc 180
ctgcaaaggc cagggcctgtt gggttaactgg aggaggaggt cacattctgg ggtagaagg 240
ggcccaatgg atggaaattc ttcatataaa agagggaaatg cctattaaaa aagtcccaaa 300
aatgtaaaga actctattttt aaccccaaaa aaggcttata aaaaaacaaaa gctaaaaataa 360
atcaaaggc ccttgctac ccctgnggga ntggggagga accaggcact gct 413

<210> 237

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121315

<400> 237

ttttttttt gttaacttat ttatattttt tcaccaccaa cattattagc catgccttc 60
tgctaattcgat ttttagcaag tcgaggtaaa acacatgcaat cattttctgg caaaagctta 120
atgtcaaaaca atatgtgatc catactgtgt gtcgtcctt ggggtttatt tgactttgtc 180
acaatgacag ccaacagtga gactgataag cctgtaaaaa taaaaaaata agactaatca 240
aatagacatg gcattttatat ctcaaagtgc aaaatcatct aactggaaat gacggcattt 300
aaaaattcca gtggtaaaa atgaatcaa acttcattac gcaggcagtga gaagtgtt 360
gaaagattta ccaggggtgtt caagtttagt acactcagaa aggcaccattt ctagccatct 420
tgattggata acatggata tactt 445

<210> 238

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA122345

<400> 238

gataaaggag gctttttatt taaaggcaaa atacaaaaat ggctctctgg ttaggtgtat 60
ttctactttc acactcagct ttttacatgtt ccgctaacct taatttctttt ctcccttaacg 120
ggctgacttg gattgacttg ttgagaatgg tatccattat taatgagtca ggagagaaag 180
ggatttctgtt gtttacatgtt aaacttgcata tagtctgca gaagttacat gtgaagagga 240
tagtgaggaa gtcagccatg atccatctat 270

<210> 239

<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA122386

<400> 239
tttgacaaaa gcggtgcattt aatttgatgc tttgcagaga tacatgacca aagtgtatg 60
catggcttgt cttttggat ggtcccagct gtttattttt aaagaaaaaa attaaaatag 120
agccaacaaa tgcaattaag aaaaaaaaaa tattgagaca caaggggacc tacatgttct 180
ggtctaagaa gcatgcaagt attacaaggc attccagata cagttgaca gaggaacagt 240
gaacaagcat tggAACGATG ctcttcctt cagaaacggg aagtctaaca gttatgttt 300
cacaatggta gtgattaa 318

<210> 240
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA125808

<220>
<221> unsure
<222> (1)...(441)
<223> n = a or c or g or t

<400> 240
tgacgtgtta cctgttatTT ttattccccca tttgccatct tctgattggg gggttgcgtt 60
ttacagatt ttTTTcaaa ggctttattt cagttctga ggtaggatg cccctgtgcc 120
cctcgctcca cacctggca ggtctaaact tccttccagg atggcctcca cacacagcct 180
cccacctggg gtcacctggc ttccctgggg acccgcaang anggggcagg gagcagcagt 240
ccgggtgcgg ggatcggggg acctcggcgg gggcatccac aggggctgca agacctctgg 300
tcagcatggc gtgggtgggg agagcgttc tccctggggt cctgagccag tgactcctgt 360
taggaccttt gtcccacctc cgcctggtgg accggcagga cctggtctag ccagtcctgc 420
agcctccatt cccccacctg c 441

<210> 241
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA125831

<400> 241
gaacaaacag catgcactgt ggtatcctt attaaaaat tgtgagctga ctacagttgt 60
agtgttctca ttaccattc tgatggcata ataaaccaag agaacattaa cacaattcca 120
agaaggcatt aacctgtAAC acacatatac gccacacatg cacacacaca acatacacgc 180
acacaaagggt tatattctga acacaaaaat gatagaaaaa agctttgaat gcgcataatc 240
aaataaaaaac cctttattat aataaactgt ggcaatactg tggctatcat gaaaaatatt 300
gtaacttattt taaaagcaaa aggaaaaata ctggcagttt gaaactagca gaaaaagca 360
gataaaaata gaatggaaga taacataaga ctaatatcaa aattctaattt ttgatactgt 420
gttaggattgc 430

<210> 242
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA125856

<400> 242
acttgcatta actttattac acaaataaga catttacaaa gcacgacatg aaaggtatgt 60
aacaaaacag acattggttt tacaaaaaaaaa gtgcttacaa ttttttccg tgtgtgtgtt 120
ttcccccttt tttgtattta aataaatagt cttgatggcc tgtacgttcc caggtgctc 180
ttaacagggt agtggagaca tgtttgaact gtaacatgct acggccacat aatccacgca 240
agaatagac cctgaggaga ggctcaaggc agagtggtt gggtgaccct gggtagggct 300
tggttggcca cttaccacat ggttgccact gggcccttga tgatcaggag caaaaatcaa 360
agaaaagatt tgagctccaa ggccaggaat tggcccttgg ttgctcctgt taatgtcagc 420
gcctagcac 429

<210> 243
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA125861

<400> 243
gggatcaattttttggg cttctcacag tggtttagagc cactctgtct tcagaacaat 60
cacagcacag gaaatgcgtc actgagactg cccagaaaaag tctgaccagc tgaatcttat 120
tgcctaaaat acacatattc acaatagctg acaaaggta acgtgcctca cacaggaatg 180
tggtcgcatt tgcaaatctt ctgactggct gtagcaccaa accctccacc gaccgggtct 240
cattcacgtg gaaagccagc ctcagtcaca tctccctggg cccccctaacg attccctcag 300
ctccctattt aatctcttc tgagcagggc agcatcctgt agcggggggcc aaactgtgac 360
ctgggaacca agcccagctc cgccaggtttgcattccgtc ttctcggtcc ttttagggctt 420
cggtc 425

<210> 244
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA126041

<400> 244
tttgcaggga gtgcaacatt tatttcataa cagaacccct tttccacaga gcagctgaca 60
gggggctgca tgaaacatac tttggaaatt aaagtgaact ctccacttgg gcataatgtt 120
atgtgggcac atggattggc ttaaaaggga aacaagaata cttcaacatt tgatcaacag 180
taggcagttt ctggacattt tagaaaaagg agaaatccat ttttgacca tggctaaaca 240
tggggaaaca gcatcacatt ttcctgaacc accctaattcc cagccctca agatccacca 300
ggtatgcaac cccaaacccc agtcacatac attaaatcta cacttttatt ttttgggtt 360
aaaatgtgct tttcctcaa tgaacttta tcagtcagg acctacaaac acacacacac 420
acacacacac acacacacac acacacacac aca 453

<210> 245
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA126044

<220>
<221> unsure
<222> (1)..(135)
<223> n = a or c or g or t

<400> 245
 tttttttttt tttttttttt tttttttttt taatgtgatg agtggctcg 60
 gaaatccncg cctaacaag tggctttga ttcaaggcct gaagaagggg agggcccact 120
 ccaggttagat gacat 135

<210> 246
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126059

<220>
 <221> unsure
 <222> (1)..(462)
 <223> n = a or c or g or t

<400> 246
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 aaaagaaaaca gatccatgca ctcaactcct gggggtnnnn gtgggggtgg gagtgaggga 120
 tgaggaatgg gtggaaagca aggagggagg ggtggaaagga cagagagaga gagacagaga 180
 gaggcagaga cggaaagaac tggagaacca gagccataaa aagaaaaaga catccataaa 240
 aaggcagaaa gaaagaagtg gtgtattaaa agcagagatc aataaaaggag aagaggggaa 300
 atgaaaaaaa tagacagaaa tacatagcca gagaacaaaa gcccagcaaa aaggcgggaa 360
 gaaaggcgt gacagagaca gagagatcac cttganggg acacaggcag aatgaaaagg 420
 gcccccagcc cccggagccc ccccaggcag cagcccgagc ca 462

<210> 247
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126429

<400> 247
 tagatttagaa taaaaattta tttttgtaaa gaatttatatt ttgtatttgc aaaagctgaa 60
 aatgctcata aaaattacca gcccagagct tggatttcca ccggatccac cacgtgagac 120
 aaaagagtct gtcacttctt cttgccaggt ttgagggcct tttcttagacc ttggatgtgt 180
 ttgcaggaga gctgatactc ttcaagcaat agccagccga ggtggtgac ctggtttccc 240
 tggatctgca cctgaaggct gtccttggcc ccaggggagg gattgacggt ggtgctagcc 300
 tggcatcgct gctgaaggat ggcagccact gagtatgggt ccagaccata gccttccaag 360
 ttccggacca cggtcacctt tttattagac gctcttgc ttagggtgt gtcaatttggaa 420
 cagatttctc cctttttt 439

<210> 248
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA126459

<400> 248
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 gcagctttcc tcattggccgc cagtacgtt ctcagctcct cccgcttccct ctggcgccgg 120
 atgtgcgtcc ccaccctttt cttgataaaat ttgagggccc gtttgcctt ggagaccttc 180
 agtaactcca tggcgccgc ctcgtacggg gcaaaagcaca cacctcccgaa atcatgtccc 240
 gcacgaacctt ggtgttttgc gtcagacgccc cgcggc 276

<210> 249
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA126561

<220>
<221> unsure
<222> (1)..(263)
<223> n = a or c or g or t

<400> 249
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gcttcatatt atgctatggc atctttaatt ataaaaataa gcaaataaaa taacttgcac 120
ctgtcattac catgatatgt ttcataacct ttatatgcac atggagctt aaaatgtaat 180
tttacaataa ataatgacnt ataccagata tgctcnctgt tantccagta ctccgccccaa 240
aacctaata tcatttaat tat 263

<210> 250
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA126719

<400> 250
ataaaaacatt caatttattt gtctttgtgg agaatttagat gcatcaccag tatattacaa 60
cagagccatt aatcttgtag cttcatcaac attaactggc ttgctttcat gacgctgctg 120
aggaatcagt tctttctgca gaggttcaag tgaaaatgctt tttgcgaaat gtgcaagtcc 180
cttttgtaca tttacaaaag ctttattttac tctgttaact ttttcctcat tcataatgtt 240
tatcttctta agatttagtgg taactggtt tgctttgtt ttagccttaa agtttttttg 300
gctggctatg tgaaaatacat tcctggactt cgcccttctt aatttgttct tggccattg 359

<210> 251
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA126722

<400> 251
cccaggcacac tgccacttcc tttaataacag cggtgcctcc acgccccgca tccgatgcag 60
tgttacacgt gtgtgtcgct caaacatcca tcctactgca catactcagt ttccggccagc 120
agggggggagc ccgaggttagc tcccgctccc ttgagccagg cccctgccc acctgagctc 180
cctcccaagc ctggcttccc caaccgggtgg ctttcatggg ccagaaggca ttcccttcacg 240
gccagtcctc cggagtagtt gcccacggc cgctgctgca gaccactctg tggcacggga 300
tgaggatggg gacaggattg cctctcatgg ctcctccac tgctcgccgc gctttgggt 360
tgcctgccag ggctgctaatt tgctggtaag aaatcacttc tccgaatttc acaaccttca 420
gcagcttcat aacacctgtc tggtaacga ctctgctgg aaaacggat ggtaaaagc 480
cggcacggga aactcttcga tagcctcggg tggtaataa ggattcagca ggctgtgaat 540
gatcaggggc tccgaacttc caaga 565

<210> 252
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127444

<220>
<221> unsure
<222> (1)..(421)
<223> n = a or c or g or t

<400> 252
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tctggatag aaaagatccc tgacagccca gtacacctgc aacggcccc accccacaga 120
gttcctctct caggtgcctc aggtgtggaa gttctcagat tcgaagggtt cctgccagga 180
ggcgctgtta cggggcagtt gtgaggggca ggttaggcacc tacagcctgg tccagaacgt 240
acagtgggtc agacagggtg ctggggtcga agccctcatt tgccatccga actttctgct 300
gtttgaaggt ctctgtgggt gccaaagact cctggagcct gaggaatcgg ggccgggcat 360
aagggtggcaa gttctcagac angtnngtgt agagctgcat aagggtccaaa gcgttggggg 420
g 421

<210> 253
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127514

<400> 253
taaagattaa aaatatttta tttaaacttt tcttcataaaa cacttttaac atttttttca 60
attaaaaaac agaatggata gcataaaacat gtttgaatag attatatccca cggcttggga 120
aaaattacct gacaaaaatg taaaggctt caaaaacaggt ataaaaggca aaccttaaat 180
tattctaaga tttttatatc ggccttagga ttatttgact actggcccaa aatgtaccta 240
aagggtcaaaa tattttctta tagacaaaagt atgccaaga ggtatagggc atatacaagt 300
taggtagaaa ataacctctc ccaatcacct cactggacca ttccttcaga aagcaaacac 360
ctaattctta ctatatactg gactaataac attttaaatg cagttgttcc caaatgtaa 420
aaagaaaacc aaagaattta agggaga 447

<210> 254
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA127646

<220>
<221> unsure
<222> (1)..(603)
<223> n = a or c or g or t

<400> 254
tatgaaacaa agtttaatt tttatttac atatttatac ataaaacttt caaggaaccc 60
tctgaatcca acagaatgtt aatagcacat ctaaaaagga acttcaggtt gtcaacattc 120
acaaaaatgtt gaaaacttag taaaatatac atattacggg gagctacaac ttcaactacga 180
ggcaggcattg tatttttga cttgtatacg accgtcattt acagttctt tttaaaacta 240
cagtgaagaa tgaaaagtag tcaatggaa aatactgttc caactaaaa tctctaaaca 300
aataaaaata aagttaaaac tactctctt tattaaccat gatttgggtt ggtgtcagta 360
ctgtacattt tttgttaacaa tattttatataa aatgcctga tattaagtgg cacagtaaaa 420
aataaaaata aattaagaag caaaggccaa tcactggaca ttaagctcga cttatcaatg 480
actaacactg atatttgttt ctgcgccacc tttagcaacag ctttttacca ccacggaggc 540
aaataaaattc tagctgttcc ngggttaatg gctttcact tgcaggctt cccgcccagt 600

ctc

603

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<210> 255  
<211> 549  
<212> DNA  
<213> Homo sapiens
```

<220>
<223> Genbank Accession No. AA127712

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<220>
<221> unsure
<222> (1)..(549)
<223> n = a or c or g or t
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<400> 255
gttctgtct cccatcaagg ttcagatgcc atgttgtact gggggaatgt agcccttgtg 60
ctccccaccc cctacctcca cctgagcctc accctgtgt tgagccctga gtggctaggg 120
gaaatggaa gaggattgcc atggcctggc catcttgtg ctgcttagtt agatcatata 180
gctaataat taggcagggg agctatTTT tgaagatgt gaattaaatg ttgaagacaa 240
gtttgagatc tgaaaatgt gatTTTtac ttccacttat aatacttgtg attggggagg 300
tttgtgaaa ttaaattatg atgaaaaacc tatctttt gtaatgttg cataacttggg 360
gaatttagtg gcaaatacat tccccagcag gcctttgtt ggTTgcacta actgcaaggg 420
ttgcctgggaa agntagagtc ccatttttgt tgatgaagct ttgaactgcg gttttggAAC 480
cttacctctc ctccctttagc ccaatatgct gtcttgggtc ctattcaaAT aaagtatttt 540
cctcccttggAA 549

```

```
<210> 256  
<211> 564  
<212> DNA  
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA127741

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<400> 256
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tttgctctgt aaaactctta atgccccaat ttactaaca aaccatttg ttacaagtgt 120
ctaaaaatcc agataagttt aacaaaagtgg ttcataaaaa ctataaaaac tatgtatata 180
gcatcacaaaa gaattaacat attaaagcat tatattgggtt atcacataaa agcatcataa 240
gttttctgta gcactctctc tagaaaaacag tacatgaagc caaaccaga tcttgtctgt 300
ccactcacat aaaaggccc aggtctgtca atgagttca ttaattttgg agagccagtc 360
tgccacggag accaccattc tccacagaga aaactgccac atttgtgagg tgaatgaact 420
ttcagcattt atgttaaagt catctctgaa gtgacatcca caattttaat tccaaagtgg 480
tggtttttc cttggcttagg cacctttttt aggtacatgt tgcaaagtgt cttaagtgg 540
aagcggtatt catccccccca aagt 564
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```
<210> 257  
<211> 187  
<212> DNA  
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA127851

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<220>
<221> unsure
<222> (1)..(187)
<223> n = a or c or g or t
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<400> 257

ttttttttt ttatgcaacc tatggctttt actttttatt accaatatac aaagtacata 60
aaaaatatcc attttactc tacttctct gtcttcstat ttccagatgc ttaagttagg 120
aaagaaaagg caaggcaaca aaaaattcca tctattatac tggaaggctg acgtttcaat 180
ggcncaa 187

<210> 258
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA128177

<400> 258
gcggaaaaaaaa gatgtccctt taataaaaacg ttatcaacat atatcgata caaactacaa 60
tgtatcataa ttactttttt ttcctctctt aattcagaac cagactacaa ggtaagaaaa 120
aacacagaaa cagctacaat gttcccaata atccgcacaa agtctttttt cagggcagatg 180
atatctcaca taatatgata tacatggatc agaaaggag ggagtaaaac aaagaccagg 240
tacagg 246

<210> 259
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA128407

<220>
<221> unsure
<222> (1)..(399)
<223> n = a or c or g or t

<400> 259
ttgcagtcag tgggttttat ttgangaggg ggttttctgc tgaactgaga tggggttgat 60
tgaacgggga cagagcgaag actggcagag ggcacacacg ggaccctggc cactccccgg 120
accctgacca ctccctaggct aggtccttca tgtcttcagt cagggcagcc tggggcccc 180
tgggnatgag cctgcattcct gagtgcccac ccccgaccca tgacaaggct cctgcaaggg 240
cagttctag ctcatggtcc gtgagtcact cgggctggt caccgggcac tgggaaggtg 300
gccagagccg cgtctggggg gccgagccaa gcaacagcag cagcagcagg tgggcccagg 360
caaggcgggc tgggtcaga gccttcctgc agctgctgc 399

<210> 260
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA128553

<220>
<221> unsure
<222> (1)..(411)
<223> n = a or c or g or t

<400> 260
attnaattttt tttatgtat acagtgtaga aagctatcat ggcataagca atgattctgt 60
acaatcatcc tgcagaaaaat taatttttgg agaattcttg gtaattggag accagcagaa 120
cactccctcc ccccaaaaaa taaaagtgt tatgtatgaac agggataatt ttnttttaat 180
ttttttttat caaagatcca aagatacatg gacaaaaaaaaa atgttcaaat tctcaatgcc 240
taatgtgtgc acataaaaaca ggcacaaaaga aatcaatgtg tattccttta ttcctatatc 300

acaaagagag cagaagcagc aatctgtaca gtaagatgca gtcatggaaa aagaattttc 360
taagtattt ggaatactta aaaaaatgtt caaaatggca tagtgatcag g 411

<210> 261
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA128561

<220>
<221> unsure
<222> (1)...(421)
<223> n = a or c or g or t

<400> 261
attagaaaaa aaaacttctt taatggaaa ttttacgatt gaaatgatgt ttcatcttat 60
agaccacaaa caaatgttt tagacattga aaagtggta aagaccaact gcgcaggc 120
ccccaagtgc catttctga gtgcagaatg gaggggtacg tcttgagctg atgtgtgtc 180
cccagcatca ggtttctgt tttccctt ctcctttat tccttccttgc tccattgcc 240
tcaacacctt tttctgttt gctctggcct ggtagt aacatatcca tgaactctag 300
tatgggccta cggacaatca tagctacaat cagacttct aagcaaatgg ggaatgtgga 360
tntacatata accattagaa accctatcat caccccttag agggaaagtg aatttcttaa 420
t 421

<210> 262
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA129390

<400> 262
ttttttttttttttttttt caatagataa ctttatttga aatgaaatgc 60
attttggaaa tatggaaaat aaatcacatc tccccaaaat catctaagag acatatttac 120
acaagttctg accatgctaa aaaattcatg aatttgtatg gtgtataaag catttggtag 180
atgatgatac ttgctttcca gaagctggca tttgcatatt ataaaacgtt aa 232

<210> 263
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA129465

<400> 263
ttttttttttttt aacaagtgtt actctttt aagatggaa tgttcttatt 60
aaagaaaatag atgaaaatgg ttaagtacaa ttaaatggct cccaaagtct tacaatgaaa 120
acaacagtcc tgccagttgt tctttccaga ggc当地tact tttcatttctc ttagttttc 180
cttccgttag ttaccttcat gggttttcc aaattattgt ttttttttag tttttcaagt 240
gaatgcataat attaatacat aaaattttaa aaaggctttt cagtttataa tgcatcctaa 300
cagccccctg ccccatccct cctaatttctc cagagcaatg acttttaact ctttttagcaa 360
tgt 363

<210> 264
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA129757

<220>
<221> unsure
<222> (1)...(422)
<223> n = a or c or g or t

<400> 264
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aagggaNTnc tttgcctagt cNTccgactn tgnttnatct tcATCTTgac taatcnggaa 120
gtAACnaagt cgtaggTcTC cttgtcagat gcaancancT gaAGCCAAATC acGAAGATTG 180
ttcttcttaa ggtatttctt ggtaaggat ttcaaatacc tttagagaa ctgtttctca 240
gaaacaactg tgattttatt cttgaagcgt tcaatgtgaa caacattccc gagatttcca 300
gttttgcCAT tgactttaac cttctcccgT agaaattgct caaaaatttcc agaatcaaaa 360
atccatctt ctactggatg agtaaggTcc aaattaaacc tccaggttga cctcttggc 420
tt 422

<210> 265
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131084

<400> 265
caagacttac aaactgtcct ttattcagag tgagactgCG gaacattaat aatttatcac 60
gcggggagtc cccagaagcc ctgtgccac gaaccctgt ggcggaggag agaggcgggg 120
actccggag cttcctgaga gggccgtgtc ttgggagcaa ggtgacatAT tcagttcagg 180
cacgcggAAC atgaactcag gaagtgggGA gacagagaga cccatcccc aactcccagg 240
acggggggcca ggccc 255

<210> 266
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131162

<220>
<221> unsure
<222> (1)...(435)
<223> n = a or c or g or t

<400> 266
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ngagaaaata nangaattgg ngtgggcNTa antngantT gttctnactn ttctnactgn 120
tttintnatg cacagcttt tcagttgnTT ncaaataatga agtataatcac ctcaggatgc 180
agagatTTT gaattttatt tagcaatttc caaaagctga agtctagaac cgaagacaca 240
tataaaaaga tgattttaa atggaaccag ccacCTTgaa aaatatttg aaaaacatga 300
tttaaacttt agaaaataaa acttttaata cttaaagagat aacctggatg ccaacgttgc 360
ntgggtggc cnggaccttT cccaggacnt aagaccnct gggaaatcc atggggggcn 420
ccgggtggana tggc 435

<210> 267
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131220

<220>
<221> unsure
<222> (1)..(562)
<223> n = a or c or g or t

<400> 267
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tttagcnaaa ggagancaat ctatataccc ttcccttccc caccaaactc acaaaaaggag 120
attaaaccct tccaggattg ccatcaagct tcccgagatg gccagggcaa ngaaaagaatc 180
atctctcaac atgttaagaa acggctgccca ttcttaggct ctggggttga agcagcagca 240
ttccccaggac ccaaggggcca gagagaggaa aagaaatgac tgttagtgta caggattcta 300
ggatgaacat gtccagtgc tcctgggcat ggcagactag ctcccagaat tctcagggtg 360
tgagtaaagg tggggccct atggctcttc agaggctgct caataggtca ggggttagggt 420
ataggaactg gggatcaggc atgcagggat ggggtggcag aaaaaacgcc tgtggggta 480
tgctccagac agagcacc ccatcangc taccactac tcaatgacat gtaatgnaca 540
ggcacagatg ctgagctcct ta 562

<210> 268
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131584

<400> 268
ttttttttt ctagcccgag cactttatt tgttagagttc tcaaataaaa agtaacaaaat 60
aattatacat caggattgtt aggaatacca attattttac aactgccact acgtgtttct 120
tcttctctga cacaagtggc acagatccag gcttgctgtg ttaatacga ttcacttcct 180
ttcgtcgacg agtttttc atgatgcgt gttctgaat ctggctatacg atagatt 237

<210> 269
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131894

<220>
<221> unsure
<222> (1)..(470)
<223> n = a or c or g or t

<400> 269
taatttctat gcaatcaggg tcctttctgg ttggtgctaa gtactggagg agcagctgag 60
cgngcagggg tgccccccggg nccggctgtc ggaagtgaat ggggtcagtg tggagaagtt 120
cactcacaac caactcacca ggaaggtgtg actgcctgtc tcccactctc ctcccccaat 180
ccgggcctgg gcncacctcg gaaaacgcct cttcccccatt gcgcctaacc tccttatctg 240
gtctcctacc ttatcacca tctccccctt ctacagttt tgccaggctc cacttagtgc 300
ctgggaggag gggctgtggg gggagcatac ctcttctctc cctgcccagg tttatactg 360
atgcctctgtc gggtnccac agtttgggc agatggaca gcaggtgacc ttggctgggt 420
gnagggcaga aggttggaaaga acagtgtcgc cagctggat tgccccctgg 470

<210> 270
<211> 464
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA131919

<220>

<221> unsure

<222> (1)..(464)

<223> n = a or c or g or t

<400> 270

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 ctcaagtat cctccactt tggctccca atgtgctaga attacagccc tgagccacgg 120
 ccccatgccc cgttttacc agtgtatatt ttctactgga aaatgagact ttttagggatg 180
 aatgtggact tgtctgtga aacttgtaaa tttgcttaaa aaaaaaaaaaaga tctccaagtc 240
 ttcacaaaat ttatattcc ccaaggctgc cccatcacaa tgcctgtgaa gcttgactgg 300
 cagacactga ggcctgaagc tgggggctgc agggggtcac tggctcaccc ggtccccccg 360
 taatctgtaa aacatactgg gtgagggagg ctgctggagg acctgaatct ctcccttctc 420
 caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa 464

<210> 271

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132032

<400> 271

tatgaaaattt ctcagagata atgcattttt aaacacagaa atggttacaa caaagatggc 60
 cgtgatgagt gggtaataata tatttatata tatataatc cgtgtccggc 120
 atctgactgt ggcaccttagg gagctaagtc cagtccttgc gtttgccttg aactctccct 180
 ttcgcacac acccctgttt tggagttca cagataacac aaagcctccc acagtcctt 240
 ggggggtgggt tggggagact gagagtatag ggtcttgta ggcagagaag gagagaggct 300
 tcaaggaaat ccgtaaaacc ataacacaca cttctaagcc acctgtgacc aacttggaa 360
 ttctggccc cttgggg 377

<210> 272

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132514

<400> 272

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 atggattgtt actgcatttg ctaagaactg tgaacacaaa gaaactttac atgaagtcac 120
 atgttgatac aggcacacaa acatcttca gcagcaacag actacataca taacgcatac 180
 cagatagtct cgatggataa atctgcttca ccagtaattc tatttagtaa aatccacagt 240
 taatggagaa ttccatTTT taatTTTaca tctttaactac acatTTTCT aataactttat 300
 ttttaaaaaaa cactcattca agattgtaat ttgcattggcg ataaaacaagg gttccatggg 360
 ttcttaagttt cttaaaaagtg tccacagcaa cttaaaacac cacaagtctt cttaaccatt 420
 tgcagcacct gacttaaagt ttaaattcat ccaatacat 459

<210> 273

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132554

<400> 273

ttcatatttc aagtgtttt attctgagca gtaggtacaa aaaataatga catagttgtg 60
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taccagatt aacagatcct tgaatttact ttactgtata tacttccttc ttgctcacat 180
tggaatcaa actaatgctg gaaacatgca tcctcagact tcattgagga attccagatt 240
gagacacgct gggatgtgga ttgagtccat ggtagagaa gatggattaa atggaaacaa 300
aacaggaaac atgtgcctgg catctaatacg cagttgctga gggtcattcc gctctttag 360
tttgtgcctgg attgttcgta taaaggccac tgttaccgt tcttcaaatt cattcagggg 420
agtataaaagg tttaaaattt tgacaatctg c 451

<210> 274

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132983

<400> 274

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aacttgagag tggaaaatgt taccttttag ttcacactcc taatccctt gtccccataa 120
aataaaacatt ctaaaagtta agcagtagaa ataatggaaa ctccacagaa acagaaataa 180
attagttctt ttcagtcgg gtggagggtcc ttttgccgaa caccataactc cactgtgaac 240
agaattcatc ttgaacgaag aagaaatctt tggcttattt caccacgtt ccagcattgc 300
ataaacagaca ttttcaaat tcagttctt ctccaaactgc agaaaaagg caaagagtag 360
tctgtttcag gagtctgcat cgggtcctgt gagagcctt gtcacttag aacaagcctt 420
taacttggtt ctgggttcgg tatccagatc tatggtcata aa 462

<210> 275

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA132986

<400> 275

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aggtgaagcc cttccccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
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cacagtaacg cagctgcagt ctgtcggtgg gggcccaggc taggggcagc acccttttt 300
ggcatacggg acatgcttgg ctgcagctga tgtccgttag cctctcctga cacgcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gagtcccgg tggagctgc tgcacatcagcc 420
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<210> 276

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA133214

<400> 276

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tcaatttgag aaaagtgcaa tcacttaagt aacagcagtt acttaaactg aaaatgagat 120
cagtcaaaat tactttgaa gaaagcaaca atattgtcag gtttcttgct gtgg 174

<210> 277
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133215

<400> 277
caagaacatc ccttttaatc acaaaccact catccacaaa tgtggctatg gggtaagcag 60
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tgccgggtggc tccagccagg ggggcttcca ggttaataacc agagcctcggt ctactctgga 180
ctcctgttagt ctcttcttgg ctggaagaag gggggcattg tgggcctgct ctgtcccaag 240
gctccagaag ctgcccctac ccaggcctgc ctgc 274

<210> 278
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133296

<220>
<221> unsure
<222> (1)...(417)
<223> n = a or c or g or t

<400> 278
ntatacnatt angtgganat catttattac ntggcatgtt tacaccaact ctaaaagagaa 60
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acagacttta gacctgggtgg tcaaataatgaa ctgtggtaa tttatgacat gtgagtaagc 180
aattcaaacc tacgagaaga gtttataatc tggtatgtgg agtctcaggt gattttattc 240
tttttctga caaatcctg agagcaagag acttgtttag tgctaatgaa atggagaaaa 300
cgttgctgag ccagttgctg agctccagat cgccaaacctt ccctaccccc cgttccacgg 360
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<210> 279
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133439

<220>
<221> unsure
<222> (1)...(395)
<223> n = a or c or g or t

<400> 279
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tcccaaacag cgccacgggg aagtccctgc catcaactgtt gctgtgtgc agctccccgc 180
tctgccccag ctctctccca acatcttcca tgagggtgc caggtccagg tcactggagg 240
cttcgtcctc aaggggggaca cttccagctt cctgggtcag gggtccccgg tgcgtggct 300
cttccttcgc agatgaggggg caggccccctt nacacgctga taggcccagg ttcttggca 360
ctgttctaacc ttctttcccc tctgaaaagc tggct 395

<210> 280
<211> 424

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133457

<400> 280
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gcggggagtc ccacactctc tgggtccagg cacaagcta tcctccgttg ttctgatctg 180
cagagccagc gcctcagca ggtacctagt ggtggcagag cgtggcctac acgttccaa 240
ggaggccgccc agccgggctg tacccttacc ttgggggtgt gtgcagatgg aaggtggaa 300
gagacagagacc aacagagaatgt gttctttca ggggtgcca gccccaccct gaatctcaga 360
gcataccttcctt ccccgcaaa aggccaggc actgtcccgaa ccatgggcctc tgtacaagca 420
gagg 424

<210> 281
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133527

<400> 281
aatcgattct gatgtttggc cacttgctcc attatcattc ttctcatctt taccttctat 60
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tttgacagag gcttgtgtct tgctacttctt atcactcgta tttttttttt ctccagaact 180
tcttgaacta ctctttcat cattttctt cttcattttctt ttcttagagg gatcacctt 240
tacttttca acagaaatca gctgtccatg cagctcagtg cgatgaagat gtgcaataca 300
cctggacacc tctgtgtctt aagacatagt tacaatgcca tagcatttttgc ccccaggact 360
tcgagcattt gtaactactt ttgcactcag aacctttcca tatttgccaa agaggttctt 420
caa 423

<210> 282
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133590

<220>
<221> unsure
<222> (1)..(445)
<223> n = a or c or g or t

<400> 282
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tatcatcattt attattttcc acaacatttta ataccaagtt tccttctctc acatagaata 180
ttacccaataa gaagtccttca aaaggggcca tagcacatttca ataacaaaga tagaaaagaa 240
aactttcaat gtctgttttca caatatgtt attcaactaa aacaaagctg aatttctcag 300
ctatgaaactt gaaaaatga aaatcagccc atgtgtacat cacggccagc catgatcattt 360
aacaccccttca tgganatgag gggagaaaag agagaaaacaa ctgcttcctt cttacccaaa 420
cttctaatat tagcttcaaa ttactttaaa aaaa 454

<210> 283
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133666

<220>
<221> unsure
<222> (1)..(451)
<223> n = a or c or g or t

<400> 283
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ggtnngaagc gcttnagggc agtgtggca ccaggcaggg gatcccggag aaagccctct 120
gc当地gaca tggtgagggc gtggcatcac cacgaaggaa gcataaataa cactggcagg 180
tgggtggca gcaggagagg gagagcggac annacacggg gacacgcagg gtcggcggga 240
aatgtctgg acagggtcac acggggattc ggacacgcag acacagaagg gatcatggga 300
cgcccagagg atgccagagg gggcagacac accagagact cggggatggg catggtgctc 360
tgc当地gtgtt ggc当地ctt ccaatactcg ccctggcatt tgcaggcagg actggcggc 420
tgagcactct cccagcagag ccaagcaggg g 451

<210> 284
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133936

<400> 284
tacttagt ttgatcagtt tatttagtatt tttccaaacc tgaagaatgg tgaaagtgg 60
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tctcagttt cccatctgca caatgagggg gttggagtgt gtggctctca aggactgaa 180
tttcagtcgt ttctccatcc atcagtgat atgtgagatg caatgcaggg gtgtggcct 240
gtccctggta atgaggcagg atatgagcaa agcagtggat acgcctggaa attccagcta 300
ctcaggaggc tgaggtacga gaatcactt gaacctggga ggctgagggt tcagtggct 360
gagatctggc cactgcactc cagcctggc gacagagtga gactctgtct caaaaaaagg 420
attctacgac tatgtat 436

<210> 285
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA134052

<220>
<221> unsure
<222> (1)..(410)
<223> n = a or c or g or t

<400> 285
ggtagcctga gaggnccttc cattcttat tcagtcacaa taagttaaag ggcaagggt 60
ggggcaggc ctcttaggtg aggacgctgc taactgaagg cagcagttca gccagttgt 120
ccaagatgcc caccgttgg cacagcgggt tacccctgcag gttgaggagg accagcctgg 180
gnaggaggca agaggctgga gcaactgcagg ctgctggagg cggttggc acagtagcag 240
ctcctgcagc cggggtaggt tggtgacgccc gtccaggac tctatggcat tatcactggc 300
ctgcagcacc tcaaggcaca cgcaggcaca gccagtcag gtggcagggt tcggaggcgg 360
attgtgttga caaatcaag atgggtgacc aagagcagct gttccagatg 410

<210> 286
<211> 462

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA134063

<400> 286
ttggatttaa taatcttagt ttaatcaaag caatttgcatttggattttg gaatgaccac 60
tccttgctaa ggaagctatgtacttcatgc tggaaaact ggcaaataca gaatgttagct 120
tggggtttt cttggcccttgaagatgacca ggttagagaga cagagtggaa ccaacagttt 180
ttctgatttc cctgctccttc ctattccttc ctaaaaaatca gactcattgt gaccaggtagt 240
cttggggact caagctgaat gatagagaag gcagtcaga cagaaaagaa aaaaagtaca 300
gaatttgaga agatcgggaga tgaagaaaac gtacaaaatt atatatataat ttatataat 360
aataacatga catatctatg tacaacatgg ctgggacagt tgaagaaaact atacaatgg 420
gttcagcatt ttccccttcc cagatggact ttaaggatga ca 462

<210> 287
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA134158

<400> 287
ggaaaggaaaa attaaccttt ttactttct ttctcacttt ttaatcagc caaagtcaag 60
cccgtttgc aacctgcatttgcattgcctg taagcccttc tcttggccaa ggaagaaaagg 120
aagaaaagaaa aaagaaaaccc agggggctgt atccccctgat taaacacacgc acagcactcc 180
aggcagacat gccgggtggcg gctcccttgc accattgacc tcaggccaga cacccagcg 240
ccaacaatgg gacctcggcc ttccggctag gtttggccca ggctggcag gaaaccagct 300
cgcccgaaaga cagggccat ttcgagcgt gggaccccaa gacagcaaacc ccagccagct 360
caggacttgcacttaggac aatatctat 389

<210> 288
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA134549

<400> 288
ggcttccaaat aaaaaataat tcaactttat tagtatgaaa tattttgaga taatttagtga 60
cccaaatttgc tgatttccatataatgaaagg tggtagcat aagcataacaa tcattttatgt 120
aaactgctct ttatgagacc cccagaaaag ctggaggcac ttccctttt tggggagag 180
agaagacact acttaactgg ccatttcctt gctggatgtt attccgatcc cctttgtct 240
gattttccctt cctcaaaactc gactaaaggatgtgtctgt tggcctgagc accttcttg 300
tagaacactt tctttactgt gccatcctt ggagacttta tggatgttc catcttcattg 360
gcgatcataa ccatgaggga atctcccgct ttcactttgtt ctcc 404

<210> 289
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA134968

<220>
<221> unsure
<222> (1)..(466)

<223> n = a or c or g or t

<400> 289

gagcacaaaag gtccacttta cttacatgaa ggaacataaa ggcatacgaa acagtcatct 60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca 120
gagagaaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt ccccacccac 240
tc(ccccgatt tggcccggt agcttccct tgaggggtgt tgacttgcca tctgcaaaag 300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360
ctaacagagt gccagggtcc tctgtcnctt ccgcacactga ggncaaagtt ccaggaagtt 420
tactgcccgt gtttaggaggt gagctcaagt tcagtgtctg ncttct 466

<210> 290

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA134985

<400> 290

gagggactga acagattctt gacaaggccta ggcataaaatg ctccaggtt gggaaaagagg 60
taaaaataat aggtgttac tggggaggct ccaacacacgc cagaaggac actgtttgct 120
tcagccctcg ggcctgtcca ttgttttgc tgtgtgagct ggggtgtggg gtttgcgtca 180
aactgggatc cagaagagga attctcgcccc ctctaattggg tatcagatct gccatcttgc 240
atcagccccg cctgggttctt ggaggggtgtct aagctggtgc ctaagggtt atccccagca 300
tccttctgac agcctccagc cgggacagga ttcgtggggc ctctgggtgg acatagcatc 360
tgtagctccc caggtcttat gcgaagtagc tggctccccc t 401

<210> 291

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135153

<400> 291

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aaaaagacaaa aatcaaaaaca cacaacacag aaaagcaca cactcaagac cagtgcacac 120
ccttcccaac ccactccca gttttttaaa ctttgcattt acatcccaaa ggatttagact 180
gtatcgagaa ggtcacagta ttgaatcaga aaaagaagac atgtttttaaa aggtctgtac 240
acaggttagtg gtgtgtgggg tgggggatgt acacttcatc actccaacat caaaaaacat 300
gatgcaaaaaaa ggatttcagc gatgaccaca gatttctaga accctaccac gtatgtac 360
ccccctcccc atccactttt aaaagttgtt tttaaaaagg ataaaaagtg cacagacact 420
ttcgtaa 427

<210> 292

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135407

<400> 292

ttttttttttttt tttttttttagt caataaaagct gtttatttca cctgggtgca ggtgggctga 60
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taggcgggtga agttaagagc aatgtttgtt gggcagggtg gatctcacaa agtacattct 180
caagggtggg gagaattaca aagaaccttc ttaagggtgg ggaagattac aaagtacctt 240
cttaagggtg ggggagatca caaagtacat tgatcagtta ggggtggggca ggaacaaaatc 300

acaatggtgg aatgtcatca gttaaggcta ttttacttc ttttgtggat cttagttac 360
tttaggccat ctggatgtat acgtgcaa at cacagggat gcgatgctg gcttgggctc 420
agaggcctga cacat 435

<210> 293
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA135558

<220>
<221> unsure
<222> (1)..(413)
<223> n = a or c or g or t

<400> 293
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gtatcagaaa tgcttcttc ctggaaaag gaataaat gacagcaaga cacatttttag 120
ttgctactaa agaacagcat tattttcaat catttaagt cgctcatttta aanangcaag 180
ggtnaaaaaa cgggttaaa ggtgggagcc tgcaaaaaggtaaatta aaaaagtgtt 240
tcctccccgg gaaacagcac tgtttggct gnatcaa atg ccgaagctgg gaatctgatt 300
ctgggggtgccc gtctcttcgca tactgggagt tgctgaccag caggctgccc attcacgaaa 360
agagggttggc aaggccaggc ccccaaggtn cgctgggat ttctgggctg ggc 413

<210> 294
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA135871

<400> 294
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ccacacagag tcttagaaca ccaacagctt cctctgtaca ttattacata gttaaaagtc 120
gcagctggag ggaggagctc cagcccaaac tccaaacgttt gcatttttc ctttcacat 180
acttacaaaaa gaggggagct gggacgcgtt gtgggagctg gggggctttg tggctgagtg 240
tgtagaaaaa agagaggctg ttcccttgcg cagtctggct cccgcagtcg tgcgggccc 300
agggggaggt gtacctgggg cagatgc 327

<210> 295
<211> 206
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA135894

<400> 295
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tattatacaa tgaacactcc tccatttaga gaccatgccc acttacagaa tgcagccgt 120
aatgcgttaa atctatattac agagggttggg gtgcaagatg agagaagatc cagccccagg 180
aatttgaagt gaaaatgtc tacaaa 206

<210> 296
<211> 435
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA135958

<400> 296

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aaggatcaact tttggaagag gccaattact ggcaaaaagtg attcattatc aagacaaaaa 120
gtaaatgtac tttggaagtg taaaaatctt aaaaaatcct taaagaaccc tttataaaaag 180
caatgcaaag tatttactat acatctgaat aatatgcact tcataattgt gcctcacccc 240
acctcctaaa atcttatatt gatctgtgtt ttggggttga gagccaccc aatgtggaaa 300
tgcaagaatc agcaggatca agtccaagaaa gaatgaagcc agatggttct gtaagaccca 360
atgtgaatacg acatatacaa caggaattat ttaaactgct taaccattcc caccaaaaatg 420
agtagggtat attta 435

<210> 297

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136079

<400> 297

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gagacataag acattaatca atatatgtaa gaagaacatt gttcagttgg ggagggagct 180
tcagggtcac agataggtga gacacaaaaca gttgcattct tttgagttc tgattagcct 240
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gagtggggagg tgggtttgcc ctaagaagtt tccctaagct tgagtttcc ttgtgattc 360
tggggccccca agatatttc ctgtcacagt tgacatcccc aacacagtgt ttagggctca 420
aaaaaaagata ccctaaa 437

<210> 298

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136269

<220>

<221> unsure

<222> (1)..(175)

<223> n = a or c or g or t

<400> 298

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ctgtctctgc caaagcttta nttgcagggc tgccatctga gctgccatgg ctatctgagg 120
tgttacttgtt gttcctgatg ccaacaggc agcaacattt agaacagaac ctcca 175

<210> 299

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136332

<400> 299

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aatcaactga cttccctgaa catttcacgc agtcaggaa caggtgagga aagaaaataaa 120
taagtgattt taatgctgcc taggtcaccc tcaacccccc tttactggca caattgggtg 180

gagagaaggg aagggttatg attgtcctga tggctcaggg ttgcaggagg ttcagagggg 240
aaggaggaaa ggccaggctg gaggctgggc tgtagact tccctcccac agttcagacg 300
gctcaactcg ggctcaggtt tgccatggct tccttggtc caaacatagg ccctgtcctt 360
atgcctgtgc cctgttgac ttttggccag gaggccttt ttgtgctgct gctgttgag 420
ggctagctg 429

<210> 300

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136333

<220>

<221> unsure

<222> (1)..(435)

<223> n = a or c or g or t

<400> 300

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tccaaatttt agtcagggtt aaatgtttt ccactaacct gaaagataag ataaatgagc 180
agccattata aagtatggg ctgtatgtca attcacgtct taaaattgaa agtcagccac 240
acagctgtta aaacaatggg aaatttgcaa atgcaaataat ataatgcatt cacagctatc 300
acatttatttc ttatcctta aagccatttt taaagtaaac tggagaggg aacttagtaa 360
tatatgtaca tcaaggcaca ttctttctt gtgttttagg aatgatttac atgtgatctg 420
cntatatcnt aattt 435

<210> 301

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136474

<400> 301

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gtcacagtcc tcatacaagt attttaatgt aaatttgaca aagcttaaag gtaacagcat 120
tttcttctag tgaggaacac gtgctgagaa aagaagaatt catggacata caataccaaat 180
tccacagcag atctgatact agcaaaaaca ttctttttt tttcaattga gttaaacaca 240
tagaatatct aacatgaaac attaataga ccgaactctg tacgaagttt gttacagtat 300
tctcttgctc cttttatcc cccaagctt gagttctga taaagtccta gttatggtc 360
aatgaccatt aataactttt tttgtgttga ggaagctgc ccaacttaag attgtttgt 420
ccacaaccaa ggctcagaac t 441

<210> 302

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA136547

<400> 302

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gacattgaat tgagttagac gagcgtgtgg gtgggtggc gaggagccat tctcctgacg 120
caggctgctg gcttgtcaag gaatggctgg ttccaccgct gggccgtgtt tactctttt 180
cttcaaggaa aagggtttct tgaggaaaca acttacctc caataatgtt ttatttgggt 240
ccagttgagt tacgtctctc ctaggaaagg tgctcagtaa cttgtactca tccccatggaa 300

atcctttgga agctacaaaa tcaaagacaa tctggagctt gttgctggcc aggaaacgcc 360
gctccaagaa ctgcactg ggggtccg 388

<210> 303
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136611

<400> 303
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ataaaagaga attctgcttt tcatttgac aaatactgct ttcattcatg caaaactttc 180
aaggtaaaa cgtaccatat gttgaagcta taaagctatt gcttgaatgt ttctaaaacg 240
aagttatttg ctgtctgtt ttaatcggtt acattgtcac ctctaatacc agtcatcaaa 300
tcctataggat ctcttaattt ccaagagatt gtattgtaca gcaagattat ttttgtggcc 360
aaatcaggtc ataggattcc tttttttt aagataa 397

<210> 304
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136864

<400> 304
cacacagaca cagaatttat ttctggacgc attctgcagg ctggagggcc cggcagcaca 60
gggctcacac cttgggttt gcaaacacct cccagccctc cagccggccc atcttgcacca 120
gggaggccgc tatgccaag tacacgcagg cggccgcgc attcccttag ttgtgcgtgc 180
gtgtccccag agtcaggccct ccgggcgcgc cccgaggaag tagttcaggg ggtcgtcgcc 240
cttctcgccg acatgggcgc tgatgcagg ggtgaggcca aacacggccc cgacagcgc 300
tgcagtgaac gtgtattgtc caaccttagc cactccttca aggaagggtgc ccggagattt 360
gagtgtaact ctgttaggcag cggccggcgtcag gccagcgcacg ctgaaaataa ctgggtgtgc 420
tgtaggcttt gcgggtggca 439

<210> 305
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA136940

<400> 305
tagttttttt tgaatataatt tacaatataa atactaattt gtttccaaag tacatattct 60
tttaacaatt tgagaaaatt atctagcata cgacagtaat ttaatgtaaa gactctatag 120
tagtgattaa ggaaaaatag aactgtttt gggataagga atcctggcta tgaatggca 180
tgatgatctg aacttgcaaa gggaaagtga agcagcttag tccacatgtc actgctaata 240
caatatgtta aaggactact atgtgagata gcaacctgga tatgggttata ataaaaacta 300
aacatgagag gatataaaaaa gtacacatgc ttgcataagg gtgttacttt taaagaagct 360
ccacc 365

<210> 306
<211> 391
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142849

<400> 306

ttttttttt tttcaagtaa aaactaaaaa cgtttatttc tggttagaaat gataaatact 60
ttgcattaaa aatctggaat tcaagtttc ctcgtacttc atgctccctc cctgccccag 120
aaccttacaa aaatatttct gtctagagag ggaaagagct ggtgcctgct ctggaggcaa 180
cgtccaggtc cgggaaaggc actcgtggc tgcgtatgt ctca gatggctcc 240
actcgccccca caggcagcct cggggccaga gatgagaata tgctgtaatc cagtacaggg 300
gctgcgtcgt gggtccccaa cagctccttc ttgggata gtgagccct gttggggagt 360
aggaaggggac tgagggccg tccctcg c 391

<210> 307

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142857

<400> 307

ttttttctac acataactcct tatatttcat tattctaagt tatacacaat gttcaacagg 60
agtttgaagt ttatttagta ataaacataa gtcatggctg acaactgaga aaatcctatt 120
cacataaaacc atcatagatt aaaaatacat agtatttgta ctttaatgca atagggtccc 180
agattcaaa caagggaaatt tgattccaga gttggcatta tgttagttatg tactctgcta 240
caaagaacta gtggaggtaa acttcggcag taaaattctc aacagtcaaa tattaatgca 300
tttcatatac atggcttgc atccgttagag gaagatacag ttccctcagca cacgtgccaa 360
tttctgagtc tccactagag aatcctcaac agtttcttct tcagaatcaa attcctgatt 420
atccgtgatt caaatttatcc gaggttcacc attcacctcg tgc 463

<210> 308

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA142858

<400> 308

ttttttttt tttttttca aggggaaact gggcagttt tattgacgat ggcaatgtac 60
aagactccac accttaggtat gtgcacgagg taaggcctga gctcaggcct tatgatccctc 120
ctcaggaccc ttggggccaa acttctcctg cagttcttc cacatgcctt tatctatttc 180
cttaagctct tccaagggtgt ctgtggacag gatcagctt tactcttcca acgacaggcc 240
actgaagctg gtgtctctgg ggcgagggtt cttgtgtttg tagtagttt aatggagtctg 300
cgctaagtct cgtacatctg atcacaggcc tcaggtctgc aacctggta ttctccct 360
cccgaaaggc ctgtgttacc cgctgtcgca ggttaagcgcc caagtcccg ccccggttgg 420
tctcgccac tggccattcc tcacagagct taagaaaacg ccgttaccgt gggccgccat 480
ttggggcccg cgtgttcccg cccctcg c 511

<210> 309

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA143019

<220>

<221> unsure

<222> (1)..(624)

<223> n = a or c or g or t

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actacgcgg ggaggcgccc ccattgcaaa gtgcagttt tccgcggagg tggcggtggg 180
tcagtggcag agggccatgg tttccatgtt aaggaagcgg acgtgcatact tggtctcaat 240
gtcgatcccc tgccagatct tcaggaagtc ctcgaaggtg atccccctgtt acacctgatc 300
agctccatc ttgccccatg cacacgctgg ccgcctccat catggccccc tcggcgatgg 360
acggagcggta ctccttctcg atgtgagggtt ttcccgacag cagctcctcg accactttac 420
atttcgagg 429

<210> 313

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA146849

<220>

<221> unsure

<222> (1)..(274)

<223> n = a or c or g or t

<400> 313

ggttttctac cttaattgg ggatanaaaa ggcaccccttc ccagtacaag aggatcaacc 60
angagggtgan cccccagtgt gtgggtcccc gncagaagga acagaggaag gatggaggnc 120
aaggcagcgg tgaccctcgt gctgtgtgc cccggccagaa ggaacacagg aaggatggag 180
ggcaaggcagc cggaggggca gtggggccca gcatccccctg aagcctcacc tgccagcctgg 240
ggctgattga gatctcgccc actgcgcgca gang 274

<210> 314

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147084

<220>

<221> unsure

<222> (1)..(554)

<223> n = a or c or g or t

<400> 314

tttatgagca aatccaaatt tattttaatg tcatgtcatt ttcaatgtgt taaaaaacct 60
cataagtttag tgggagccct agtttcctgg gacagcatgc cagaggtact gaaatttgc 120
acctttctct acaaacccttccaa agcaatccaa tccaagtccaa tagcttcaga aagccaggag 180
tttgtcttc agtcagtcta cgcctctgtt tcntgggtt tccttnatg gggagggag 240
atnncaanat ttcaaacagg ggaacaaaac caggttgagg cttccanct cagggctgtt 300
gtaagatgga gcgagaaaag acccccactng actccagaga aaaaagggtt aggtttgaga 360
tggattattt cnnttacagc tttgggtaaa atggaaagaa aaaagatttt caaatgagga 420
tnccatttca taggatggag aatcttctca taaatgaagg ctccagggtcc caaaatgggg 480
agggggcctg actggacagc ctgaatcnagtgaggaatcg gccacactgg attanaacaa 540
tctgaaaaat aatc 554

<210> 315

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA147439

<220>
<221> unsure
<222> (1)..(414)
<223> n = a or c or g or t

<400> 315
tttttggct taaacaacaa aggtttattt cttgctcaact acatatccat tgtgggttg 60
tgggggtggga gtgggggatt ctgctcatcg cttaggaccc caggctggca gaggagggtt 120
tcaactggag agctgcttct atgtggcaac ctggaccagg gctctcaaag cttctgccc 180
gaagtgaccc tcggcgggttc tgctcatgct ccactcgccg gggcagcccc gacctaacct 240
cccagcaggc agcnatcaca tgttacaggt gcccaggaga ggagaaaactg caccttgtc 300
aacaaagacg accacggagg ggaagactgc tgatggaggg tggtcaggag tagggggct 360
tggcctgccc tgcagttct cccatatctc ccaggactga gctcgacaca ggca 414

<210> 316
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA147626

<400> 316
gtttaaattt cattattttt ttttagatc atccctctta gtcctgcacg cattgttagc 60
acaaaaaggta gaacttgatc acaacttcct ttgaagagag agtaggtaca caatgaccat 120
ctgaagagtt tctccacgga gggaccaaga attccagacg ctggtaacac tgtcagtaac 180
ctacacaact ttcaatacaa aaaaattttac caaatatcct gtttaatgtt aacaaggcag 240
gaggcaaaaac agagtattac agtaacacta ttttacaggg cccagaaaaat gtgattatct 300
accatgtttt aacacataaa gtgtcacaat gacatgcata tttgattttac tacataaccc 360
aaaatataat taccatatacg ttttttttgcacttcact gtaacgtttt ctggg 415

<210> 317
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA147646

<220>
<221> unsure
<222> (1)..(325)
<223> n = a or c or g or t

<400> 317
gttcctaaca caaatgtgaa tttttttttt gatttgatat taaaaatagt acttttacaa 60
aatcatctca gaaaatatac tacattttttaaaaattccta caaaccattt cagaaaaatat 120
taaaccctct aaccaaccta acactcgctt tcnnnggncc ctggtgatgtt tttcacagc 180
ttccatagtt gcaaagaaca aagaaaatcat cttccaacag gggtggaaatt agataagaat 240
aatccaaaan atattttttt ctttacagac tcacagattt cttggatgtt taggggctct 300
tacccttagga taccctaattt attca 325

<210> 318
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA148480

<400> 318

aaagtaattt ctttatttagg aaaataaaga catggttcct aaggaaaagg gctaaaaatg 60
accatgtttc aagtacacta gtgaatagca agtgaaacaa aatgtcttaa gcatctatat 120
gtcttatctt agatacatac aactattgtt ggaacattat ttctcttatac tctcaggaaa 180
catatttagt tataatatga aaaaaaaaaact aaaattgagc ttctaataaga aaatcaaacc 240
ctatcagaag aagagttacg tggagtaagc gatTTatac cgatgctgga cttactctcc 300
ctaccataaa atttgataaa acaacaaaca tttattaagc acctaccaca tg 352

<210> 319
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA148539

<220>
<221> unsure
<222> (1)..(555)
<223> n = a or c or g or t

<400> 319
ctcttgtcta gcaatctgtt aggcttctga accaagacca aatgtttacg ttccctctgct 60
gcataccaac gttactccaa acaataaaaaa tctatcattt ctgctctgtg ctgaggaatg 120
gaaaatgaaa cccccccccctt ctgaccctta ggactataca gtggaaactg ttcattgctg 180
atgaatgcag cagtcaccaa aaaatacacc caatcttca gataacctca gtgcacttta 240
ggaaatcaaa aattacctgg aagcaatttta gtacatagat tggctttta aaaaaacttt 300
ttttttttt ttaaaaacag cagcattaaa cttagtgaca tgacaccgac atgattaata 360
ccatcttaac acactcgaaa ttccgcctt cacattataa tcaagcatag tgggtaaact 420
ggttataaaaa gtgactttgc tacgagagac aggttagggg aacaaacaac ctggacttat 480
ggtagaacc cntagctctg gttcagattt ccataaccat acatTTTTT aacnccacgg 540
tacactgtac agctg 555

<210> 320
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA148885

<220>
<221> unsure
<222> (1)..(452)
<223> n = a or c or g or t

<400> 320
ttttttcctt ccatcattta ttttagaaaaa agtttatgt attagggtaa agtggttagaa 60
gttaacctag aatctaataa tctccaatca cccattcctg atctaatagt agccatgaga 120
aaaaatctct agaaagaatc atacctctca aaaaataaaaa aataaaaacaa aggctgggtg 180
cagtggctca cacctgtaat ctcagcaccc ccggaaagttt aggtggccag atcgctttag 240
cccaggcata tcgcttcag cctggggcaac gtggcgaacg tcctctacca aaaaatacaa 300
aaagtagccg ggcatagtga catacacctg agccaggag gttaaagccca cattgagccg 360
tgattgtacc agtgtactct agccagggtt acagagtaag accctatctc aaanaaagaa 420
gtgccataaa aaagaaaaagg ctctagcctt ta 452

<210> 321
<211> 367
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148923

<400> 321

gtctgaaact ttttcctttt aatatggttt acattctatc tccagagaaaa acacacttaa 60
cagaagacag aaaacattta acaaatccaa agcaattaaa aatagccaca aaaaaagaga 120
ataaacctaga ctgacagctc acagagcaag gaggtggcag agacctgc 180
ggctgttgc cccagctcaa tcttcctctc tcctctctc tgtcccttca cctctgatca 240
gtcccagcct gattcccgtt ccctgatgcc tcacccttctt gctgccagat gcctcttagga 300
actagggtcc ttcagactcc agatgccctg gcctgggctt aggacatott gactccccca 360
gtggaca 367

<210> 322

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA148977

<400> 322

tttttgaat caaaagcagg gtttattttt ctatcaaattc cccaatccat gttccagcca 60
atggatgaag ggtgaatcaa gccccacata gactcttggt aaaaacaatt ctaactttct 120
aaaaaaaaaa aaagccaaca cactttttc tttctttca aaaagctccc aggcccttgg 180
gaacagctga aacaaattca tatcctgact aggtctgtt tctcttaggt atttggatgg 240
tccctctctg ctgcgacttc tgcacagatg aggcaactgat aatggcctgc aggtcactca 300
caatcctagc tccacatcac tccatggttt gataacctag aaccacgtta tgatttccat 360
ttataatgcc ctaagaacag ctgaaaagat ctgtattaaa ttctggcaaa tctttattga 420
tgccc 425

<210> 323

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149253

<220>

<221> unsure

<222> (1)..(567)

<223> n = a or c or g or t

<400> 323

aatatggaca gggagtctca ttgtgtttt catatcaatt aatattacag tacatccttg 60
gtaatacaaa attgtacacc ttcataat aatattaggat aaattaaacc aataaattat 120
gcaaaagtctt cagaacaata gacaacaaca aaaattcaca attgaaattt cctctagcta 180
aaaaaaaaaaa acaaaaatca aaaatttgc ttatcgatc agttatttgc ctatattcaa 240
atcaaagggt cttttattaca aaaaagagct taataatgct atttacaaca tattgctaaa 300
taatataaaag gcagtggtt gtcacggtt atactatata catatgagaa atggctggaa 360
caatatttgc ggaagcccat gacctttgg attcttccag gtatcgatc gaccnatccc 420
aatacattttt ttttccttag ttccaaattt gganggcgtt atatngcagt tttnagaaat 480
tttccncccc ccnttttag gggggattgg atatttana aaaattccgg atgaaatacg 540
gttccccna aggagggtag cttgggtt 567

<210> 324

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA149530

<220>
<221> unsure
<222> (1)..(329)
<223> n = a or c or g or t

<400> 324
atcggtttttt tttgtttgtt tttttttttt caaaaataag cccagaccat taaacaagtg 60
aaactccaac aaataagtct tctccaacag cgagaaaaac tgtacagttt ctcaaagctg 120
attctgccag tggggccggg gacagaagt ggttagggagg gtgaaatcat ggagggggc 180
ctggggaggg ggctggagcg ggagagggtc agggctctgc ccatcagagt gggccgcct 240
gcgtcctgca cactctgctg tcaggtgggg tggggggcag ctctgcctc cctgtgttg 300
tgagacggtg tccctcacca cctcccagt 329

<210> 325
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA149586

<400> 325
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aacttgaagc ccaaggctgt gtgtgtccca attccactca cccagccccg ggcacctgccc 120
coactcacct ctggcttga gaaggggcgt gtgtcggtgg ttgcctggct gcagtgtctc 180
acctaggcta ggtgtgcacc ttagaagcac aaagcggca cagttgtggg taataagctt 240
actctgcagg ccgctgggtg tgcgtccacc ctccctgagcc ccgaaaagagg acctgtcagc 300
tcctgagagg ctgctacggg tttgccttgt tctgttcagg catctgaggt aagaaggagg 360
ggccagagga gcaccttgtc cagccttacac catgag 396

<210> 326
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA149889

<220>
<221> unsure
<222> (1)..(315)
<223> n = a or c or g or t

<400> 326
gggatggaa aactttatta ggtttggttt ccagcttcgg ccacgcgggc tccgcnacac 60
agaagctcgg gtcacggggc gccccagccg ccctcctcggt cgtcctccac gtgcaggccc 120
gggatgccgc ggatctggcg ttgcagcggcc ctcccaagcaa gggcacggcg ccctcctcc 180
ccctcctctgg gggcggcggc ggtggcggcg acacggcccc gggggatggc tctggggca 240
cgggaggctg cnccgacacgc ctctgcnncc ctccgagatc cctgcgcgtt cgccctgcgc 300
cccctcgccc agggc 315

<210> 327
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA150053

<220>

<221> unsure

<222> (1)..(344)

<223> n = a or c or g or t

<400> 327

gagcaggagc tgggccttg agggccctgc tccaacccca agctgcattt atgatataac 60
ccatcacagc tggatttaa aaatacacaa aaaaatatat aatatacatt ataaaaccta 120
ggtggtttt ggaggtggcc tgagcgatat gcaaacagtg aggaccttca ggaagctcg 180
gcagggtcgg gatgnnngnag ggaaggggca cagtacttca tatganactc ataaataccc 240
acaggtggct gctggacagg cccagctggc tctggggcc tgggtgttta agaagggaca 300
gcaggtgaa ggggttaacc ttcaagtccc agaaactggg gtct 344

<210> 328

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA150205

<400> 328

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gaaaaggaga aagtaattc ttagggccag acctcgaaat gccccaaagtg tccaattggc 120
actatagca tttgtgagga gttccctttg ccctcagacg agtagttca acatttcagt 180
gaaaacaaag gttcagaaa gctgaaaacc cagatctga aggttgcgt catatatgtg 240
tttgtgtttc ttatattatt tcctttgac ttcatgtttt catcccaa atgtatgggg 300
tggcatttttta acagtcata gtcataacag tcaaaggagg acaggagggg agccagctgg 360
taggagggag cagcaaccgt gtgtggacca agccgcattt ttgtttata gacgtg 416

<210> 329

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA150284

<400> 329

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tattcttgta aatacatata agctgtgtt caacattcag tactatgca atcatttttc 120
aatatgacaa aatgaaaaac ttacacactt taggttagcg cttataactt atctttgaaa 180
tctattgctg atgcttaggtc taaagagcaa tgactcaacc agaaaaata gtaaaggctg 240
ccttttcctt tttaaagtgc ttattagctt tataatccaa aacaatggtt tttacaaaata 300
cataatactg aaaggtgctc aaaaagtcac cacttacaga attgaacatg tcattttcta 360
actctgcaca tgtaaacttg ttttatctgc attaatgaag attgcttcaa atggctctca 420
atcatatgct tcaaatcaag acagtgcataa gttccagcag cataaaacagt gacagcagga 480
ccaaccccaag cacattttca gtgg 504

<210> 330

<211> 206

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA150776

<400> 330

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acacgactca atactgtaaa tgatatacat gttttaacat atgcactaca gtttcaaaag 120
aagacgacaa gaaactcaag ggtgtttttt tttttcata gaaagtttca atgttttatac 180
ttcctgcagt tttgtacagt atattt 206

ggattttatt taaatattga tgcacacac ctaaaaagca gtgacttctt gggtaaaatg 360
taatactgaa atggaaaatt gtctttcaa aaaaataaga agtgtggttt ggaaattccc 420
cgtgcc 426

<210> 334
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151243

<400> 334
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ggacaggttc atactaaaaa aaacctcagc tgatgttattc tgtggggct ggggagggtg 120
tcagggacat ttggggctg aggagagcgc gtcactgcta ttgaatagct ccatttaaca 180
ccagccatgt ctccgcgtct caggcacttc tgtgaaatgt tctcagaacc ctgtggtgac 240
tgcggcacac ccggcaggcc ttgctagcac acgcccggca ctggcagggc ccggccaccc 300
tggctgttgc cattcttcg tagggttttt ttcattttac tatttgcac ttttcttagga 360
aacatctgtt ttgtaaaac aaacaagggg gaatcaagta ttttaaccac aa 412

<210> 335
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151428

<220>
<221> unsure
<222> (1)...(400)
<223> n = a or c or g or t

<400> 335
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ggtcagcacf cgctgctggc gcncaccacg cagggttagg tgccctcatt gacggcggtg 120
gcgtatgtgc tcaggtgcgc ctgcggcagg gccaggttagc cggggtagga gaactccagg 180
ggctcctggc cttgtacca gtacacttgc ctttcttgc ggaggatctt ctggccgcag 240
cggaaggtca cgttctgccc ctgcgnacca agcctgggtt tggcctggg gggcggtgg 300
gggggttggc caccgtgggg aaaggggaaat ttcgtacaa gaaantccgc aagctngctt 360
gggggcaaaa agtttctttt ccantgaagn cccggcggga 400

<210> 336
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151435

<400> 336
atattttcca ctttttattt ccatcggtat catccgtta aaaagaatga caagaagatt 60
cccatcagtc caaactggac cacccacact ttgaaaaagt tggagcattt cagccggctc 120
cgcatgatcc atcctgttgc cagtcagtgc ctctggaaag ggaggggaaag tcttggatgc 180
acctggcact caatccactc ggcgcctgac tgctgctgac gtcctggggc tggaaaggaac 240
tccttactggg cacacatcta cagaggagtg cgtggcgac ttgaggacgg ttactgctgg 300
agccgacaca cagcgaacta catactttta gaa 333

<210> 337
<211> 631

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151676

<220>
<221> unsure
<222> (1)..(631)
<223> n = a or c or g or t

<400> 337
ttgggattat aattcattta ttcttctggc cctaaaggaa cttaaacga ttgaaaactga 60
gtctttcaag ttggagccag gaaatgaatc tggatgttc caaatgagag ggtctttggc 120
aaaggcactg gtgaatttca atggataat caaaccaccc ctaagttggc agctgaccca 180
gaactggctg ttgggctgga gggtaggc caaaccaccc ctaagttggc agctgaccca 240
agaggagggg ctggtcactt attatgcccc tggaaaggcc tgaatccggc tgctggtgaa 300
caagttcttgc tctagctgcc tggacagatg gcaccaggaa taaaaaggaa gaaagtcaag 360
gcagtggaaag gaggaaggc agggagcggc cagagaatca aggaccaggc aagagaagat 420
ggatatggct gaccaggggc atctttcacac attgaactct caggtcacaa gtatgctggt 480
ctggggagaaa atccccatgc atgcggggga gcctgcattcc ctgagacaga tgaggcaaag 540
gagcatccca cacgtggaa acctgctca gatgaaatgtt tccaggaagt tctaagctac 600
ttactggacc ncagganttg ggagactacc a 631

<210> 338
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA151778

<220>
<221> unsure
<222> (1)..(565)
<223> n = a or c or g or t

<400> 338
tttttttttttttttaata aaaatcttta ttttttttatt aaaaaagaag tactttggta 60
gttatataaa taagnngggg gtggaaatga atgtcgagat acgagcacct gcatctttta 120
gtcaattgtc agtggagtcg gtgggggtgt aagtgttctg aactgaagta ggtgcactaa 180
ggttccaagc tccctgcaag gatctggacg ggaggaaagc agaggcccctg aaggaaaaaa 240
agcctgcttc ccaataactta ttttttatta ctgtacaaaa agcacactct ccctctttt 300
gtctctccca ccaacggcac ccccccaccc ccaacccaag aggactatac atggagtgc 360
gggacagagt tgaccaggag gccttgc ggcacccctgc ccacaggctg agctcagccc 420
caggcccttt caggcatcta gacactccca tagcctggc angctgggc aaggagatn 480
ccaggtcaca catacttccc tggaaagagg ggacttaggg gtaagagccg ggtgcacggt 540
anccagnctt gctctcattc ccang 565

<210> 339
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156187

<220>
<221> unsure
<222> (1)..(628)
<223> n = a or c or g or t

<400> 339
ggattgcaaa aatttattaa aattggagac actgtttaa tcttcttg 60
ccatcaggca gtctacaaaag accactggga ggctgaggat cacttgagcc cagaagttg 120
aggctgttagt aagctcaaa gccactgca ctctagttg ggtgaggcaa gacccttca 180
agcagtaagg tgcatgttg ctgttgg 60
tcattaaaaa ccctagttt ggataacagg 240
tctgcctgca tttcttcaat catgaattct gagtccttg cttctttaaa acttgctcca 300
cacagtgttag tcaagccgac tctccatacc tttaaaaggt atgacaggaa ctgtcttcat 360
gtccttaccc aagcaagtca tccatggata aaaacgttac caggagcaga accattaagc 420
tggtccaggc aagtggact ccaccatttc aacttccagc tttctgtcta atgcctgtgt 480
gccaatgggt gagttaggct tgctcttag gacttcagta gctattctca tccttccttg 540
gggacacaac tgtccataan gtgctatcca gagccacact gcatctgcac ccagcaccat 600
acctcacagg agtcgactcg tgccgaat 628

<210> 340
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156243

<220>
<221> unsure
<222> (1)..(668)
<223> n = a or c or g or t

<400> 340
accacacctgac tcagacttct ttgtcggtt tttatTTAA atgttattgt ctctgattag 60
aaaatacagt catgagggtt aaaaactgaa atgatgtgaa aaggcatcca ttaagcagtg 120
ttgccccacc accctttcca tcagtcttgc 60
ctcatggga tggggaaaat gaagacagaa 180
cgctttgcct tgcttgcaa tccctccctt gaaggccttc tgcctccagga agccaatgtt 240
catttgcgtt ggaagaggaa cctgtgttta accagaagct gtcctccctc atccctttcc 300
catggcttac acgcagaagg gagaggagat gaccagagga gaaatcaggg gaagaaaagg 360
caacagggga ggcaaaggaa aaggagagga atgcTTAAA tatacagtga aatttgcgtt 420
ggattctcta ctcaaagact tctctggaa gtgtccagaa ttgaccacac aggtgcgtac 480
ggtagaaaga acacagaccc anaaccctga tctagttgc 60
ttaactccat tagccctgag 540
ttccctgtaa aatgaagact gtngaggacc actagaggat tctgtgactt ctcaactcta 600
aaattttgga ctggacctcg tgcgaatctg gctcgaggca aattcctatg tggcgatnaa 660
tcgnacag 668

<210> 341
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156336

<220>
<221> unsure
<222> (1)..(350)
<223> n = a or c or g or t

<400> 341
ttttttttttt gttttttcng ctttatccctc ttctttttct nctacttttt cttcttg 60
gggtcgagca atttgcgtct gttttctgcc tctgcgttcc ccanaattcc ttctgacgag 120
ggctttataaa ttctcatttt tcttggtttaa atagtaatac aaaacacaat caggaacact 180
cttcctctcc aagtatgtatg caatttagtcc aaagttttt ggatgcgtgaa taaacttg 240
cttaaaagatc ncctttcat ggtcagtccaa aacattcatn aactgcctat ctttatacac 300
tttcatacggtt gtcctccaaat aagcccanc 60
atggtaaatg gactttgact 350

<210> 342
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156450

<220>
<221> unsure
<222> (1)..(434)
<223> n = a or c or g or t

<400> 342
ttgcttataa aaaccatttt aaattaaaaa agggaggaag catcagtgc cacagatggg 60
gacacagggg cagagggcca gcccaaagta cagtgtggtc accccacagc ccagtggacc 120
cagggcagac tccccctcgca gcacagacag ctgaggcccg ggtgctggtt cctcttaggta 180
cagctttggc ccttgtggc tcagaggtct gccttcgga aacttgctct gttcaaggag 240
ttcctgaggc cgggtgggt gggtgccatc agctggggca ggcgctgggt aagcaggggc 300
tgcaganctc ccgcagccgc agtagttgcg ctccagctca cggtggtact ccttctggtc 360
cggcccaatc agggctttat tttccgcag cgcatccctca catttcttgc agaagtcctt 420
gaagccctcg tgcc 434

<210> 343
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156460

<400> 343
tttggttata aaagatttta atatcaaata aatgtacat gatcaaaagg ctttgattgc 60
catgtaaagc atagttcca ggttacatca agtggattta ttttctccca tttcaaattga 120
aatgttgaaa gcacaaacaa tctgccatga atgataagaa gcaaaggcag cacatatcat 180
ctgcaagttt cttcccaagc tataaaatat catgttcata tttttcctgt ttgtgatccc 240
aaaacaggca atattttcat ttcatccact ctattttat gtatttgaaa agcaggtgtt 300
atccacctac cacaagagca ctgttccatca taccagttga aggaacccaa cttggcactg 360
cattttgggc aaagaagctg tccatccatc actcccaaca aagcagattc catccactgt 420
acaggttcaa taaaataaga tgtacattga gg 452

<210> 344
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA156565

<400> 344
atagtaaaata tttaattgtt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgtat aggtatgggg gtcactgagg agaccccccag 120
agtcactgac ccctcccgcc acctccacac accaggtggc cctgcagaat gagggttggg 180
ctgatagaat gtcaatttagg ggagacagga tacagggtga gggAACAGGG tctagcttgc 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaaacta 300
cacatTTAAG tttcaaccc caatatgcag gggAAAACAG ccaagccact ctccatctgt 360
ctagtatttag gaacctcttcaagtggtc ttttgtcatc tctgttcttc ttcccaattc 420
tgtattccag attccaaattt ctacaattga aacccaa 457

<210> 345

<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157112

<220>
<221> unsure
<222> (1)..(415)
<223> n = a or c or g or t

<400> 345
tgtgttcaaa gagtgagatt gatttcttt tattgccatc ttaacaaaa tacttcggaa 60
ggcaatctt gattccagca tcggaggccc ggcaattcca ggcaataatt aagccatcag 120
ntgtttggac aggagagtgt tcagtttag ggaagcagga acccccaaag aaccacagaa 180
tggggagatg gagccaaagn acaagggaca ttgcagtcac cttccattct ccctacgtgg 240
gacaaagctt ggcttgggtt tacaagcagc gtccaggaac agccttgaa ggcactagat 300
gctgcaatcc tcccagctcc cactatggct gggggcagga tggggaggggt ggggggggtg 360
ttgggtggag gggttggctg ggggacttct gctgggggtc agcttcaggt tcaggggaaa 420
aaaa 424

<210> 346
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157401

<400> 346
gaagatccga ggcattgtgg aagagagcgt gactgggtt cacaggctgt atcagctctc 60
caaagctgg aactctgtgt tccggccatg aacgtcaatg attctgttac caaacagaag 120
tttgataact tgcactgctg ccgagaatcc attttggatg gcctgaagag gaccacagat 180
gtgatgtttg gtggaaaca agtgggtggg tggctatg gtgaggtgg caagggctgc 240
ctgtgctgtct ctcaaaagct cttggagcaa ttgtctacat taccgaaatc gaccccatct 300
gtgctctgca ggcctgcattt gatgggttca ggggtggtaaa agctaaatga agtcatccgg 360
caagtcgatg tcgtataaac ttgc 384

<210> 347
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157520

<220>
<221> unsure
<222> (1)..(307)
<223> n = a or c or g or t

<400> 347
ccaggctcg agagtcactc cctgccccgtc tcccagagat gcttcaccag cacctgcctc 60
tgagacctcg ctctctgttc cagcaaccct ggttgggggg tcagacttga tacactttca 120
gggttggaggt ggaccacccc cagggcctgc tgaggacaga gcagccaggc cggtcctgnc 180
tcactttgca gttggcaactg gttggggag gaagagagct gatgagtggtg gcttccctga 240
gtgggggtt ccctgcttgt ccagttgtga agctgtcctc ggtgttaccg aggctgtgct 300
aaganga 307

<210> 348

<211> 444
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157799

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

<400> 348
ggggttcaact caagaccttag gctacagcan ggtcaagtgc ctgctttatt caacaggaag 60
cgctcaagtg ggactcaccc cccacccccc acagtgtaaa gtgaataggg agcaaggcag 120
gaagctagaa aaataatgca tggatctaga caattcagaa aaacccttct aagtctcagtt 180
aaggccaaga ctggtcagtg tgagagaaca aaagaggtga cagaaaagcc ttgggnagcct 240
gagccatgat gggcctagcg gaagtagttg ggacattcgt gagcaaccaa atgccaggct 300
tgattaaagg catccacgac agccggctcc agggggccctt cctctgttgc tgccaagttc 360
tgctccagct gctccaggct ggacatgccc aggatgaccg cgtccccgtg ggcaccctgc 420
agctgtgagt ggtggtacat ccac 444

<210> 349
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157818

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 349
ttttgtgagc aacaaggctg tttatccac ctgggtgcag gcgggctgag tccgaaaaga 60
gagtcagcaa agggagatgg ggtggggccg ttttatagga ttagggaaagg taatggaaaa 120
ttacagtcaa agggggtttgc ttctctgggt ggcaggtgtg gatctcacaa agtacactct 180
caagggtggg gagaattaca aaggaccttc ttaagggtgg gggagattac aaagtagcatt 240
tatcagttag ggtggggcag gaacaaatca caatgttga atgtcatcag ttaaggctgt 300
tttacttct ttttgttgc ttcagttact ttcaggccat ctggatgtat acgtgcaaat 360
cacaggggat gccatggccc tggcctgggc tcanaggcct gacaattctt gccttcctat 420
aattaattag gccaatnaaa c 441

<210> 350
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA157857

<220>
<221> unsure
<222> (1)..(427)
<223> n = a or c or g or t

<400> 350
ttttttttt tcntcccttg nacnataaaat ttttattggc aggtcagggan aagagcnggg 60
ggttaagggtc ctttccttnc catccctcta cncanaagac accctccana gganagnaga 120

agccccagag cctgctgcct cagaggacct tggaggcaga caaattgttg tagtgatctt 180
cctgtccctc gagcaggctg cggttaggtg gcaatctct gctccagccg cgacttgatg 240
tccatgagcc gctggtaactc ctgattctgc cgctcaatat cagtcgcac atcgcccagc 300
tgggttcaat accgctgatc agcgcctgga tatgcgccag tgggttccaa agcgcgcctc 360
cgtttctgcc agtgtgtctt ccaaggcagc tttcatgctc agctgntgac tgcaagctcaa 420
tctcaag 427

<210> 351
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA158234

<220>
<221> unsure
<222> (1)..(614)
<223> n = a or c or g or t

<400> 351
nggctgtat aggttatttc agaggaagca ctagactctg gggtagctca catgggtaag 60
aaagacttcc aggagcaggc attgaagggt tggcacccctg ggtgagtgtc caaggtcagc 120
gagagtcaact tgtggagggg acggaagatg acctggctga tctggccagg gatgggttag 180
aagaccagga ggaggaagac ggtgagcagc accagtagca gcagcaccag ggtngcccag 240
taccggcnca gatgaagaag acaaaggcct tcagcgggtt cacaaccag ttgaaggaag 300
tttggggcg gctgggttc tccagaaggc tcttggctgc ttccgcccct tccccattgg 360
ccgtttctcg ggcttccttc cacagtcaag caagctcaaa ctcttgcctc caacnttgcc 420
cgtgaagaat gtacacatttgc gcanccatgt ctgtgaactc ccangtctt ttggccggcc 480
ttccttcctcc tctgctttcg cttcttcttgc caagcctgag ctcctgnge ttccggtaa 540
gtccttgctc cttaaattna ataacggcaa cagccctcaa gggggaaaga aacagattga 600
ctcngccggc ccat 614

<210> 352
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA158795

<220>
<221> unsure
<222> (1)..(416)
<223> n = a or c or g or t

<400> 352
gggagactta actggtttaa ttgcttagcc ctgggtccctc agccacctct catctgtagg 60
gtgagactca agtccaggca ccaagacaca ccagcacccc caacaccatg cggggatcat 120
tggcctgaaa cttggccaga gaaagctcca gtccctggcc tgtaagagtg ggcgctggaa 180
gtgtctgaag ccggcacgtg tccctgcgt tgcggccct tgcaggtgaa gtgtgtgtcg 240
ttcccccaact ttccccccgaa tggcacccac ggcctcctgc tggagccctt cccgggnccc 300
cctcaggag cagaactctg cgtgtgttc gaggttcagg cttgggcaag gcttggaaagt 360
tccaggttaa ncacatatta aaaaattaaat acttccatgc aattggtnng gtgggg 416

<210> 353
<211> 392
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159025

<400> 353

ttgatgtcta gaaacatctt ttatgggt aacaggtccc aaaacaggc agttaataaa 60
atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120
gtaggcattt ccttcccccc ttgggctcct cgggtgtatt taaaaaaaaatg ttttggcagc 180
tcagtgttta tcacatgggc atggacacc atgtccatgt ccccatatcc cttaggtaca 240
gcagcgttag atggctgcaa caaccttcct cctacccag cccagaaaaat atttctgccc 300
caccccccagga tccgggacca aaataaaagag caagcaggcc cccttcaactg aggtgctggg 360
tagggctca tgccacatta ctgtgctttg ag 392

<210> 354

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA159525

<400> 354

ggcagctcac tccaggttta tttcagggca gtttgggggt gggggacaaa gaccccccctc 60
cagctcctaa actgggtcac ttttctccca ggtgaagggg accatcctca tgggatccta 120
tcgatgttag agctttgtt ccaccaggtg tggctgggtg caccaagggtg aagggtttga 180
gggctgcaca gggaccccca gcactgggag tttggcctcc tccctcagac tggatggttt 240
cccagggttg gaaaggggca ggtctccctt ctcaaggttg gacttctcag agggaggagc 300
tgagtgtctc ctccctcaga cccgcagccc ctcaaggtgc tgcgatctgt gccaccctct 360
ttgaccggtc cctctgcctt cagactagcg gaacaaaatt acacctgaaa gtggaggagc 420
gggt 424

<210> 355

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA160775

<220>

<221> unsure

<222> (1)...(445)

<223> n = a or c or g or t

<400> 355

ttttttttta cagacgcggg ctttatataac atttggtagt gagcacggcc cccagggttc 60
tgcgggnntc gggcccgggt gacgcaacgg ttaaacctgg ctcgcgactt agncaggccc 120
ttgggggaaa gcccggagcc tgaggngtgg cacggagcca cttccggcgg ctgtggcgg 180
aaaacccaaa acttccgatg ggaccaagcc ttccgtggct tcacacgcac cggaaggaa 240
gtctgggtca gcccctccctc caaaggagac agcacggatc ctcttttng cataggcctt 300
gagggaaagt acttccgcccc atattcaaga tggctgccc gggcnnnntgg aacgggggtgg 360
agtttcggga tgtggagcga aggtcactgg gagggggcgg ntccctgc ccagttccga 420
tccaccagga ctggaagact cgcgt 445

<210> 356

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161043

<400> 356

acattgtAAC aggttatgc atttgaagt gcTTctaca catccaccca gaggtctgc 60
tgatTCact tatGCCagg ctataaaatg ctttctc atccccagt agagcaCTgg 120
gatcaccACT aggCCTAGgg ggcataatcaa ggTTtaata gactggggA atggcaaca 180
gaactggcta ccttagaggc tctggaatgc cccccaccca tccacccacc aatgaaAgga 240
aagtcaGGca tcgctaaaag gatgtggccc tatctagccc caagtctggA gcagaaAggg 300
caggTccatt ctggcccaag tgacattgtt aagatcctgt cccctcccc aatcaCTgt 360
gcttgcCagg gtgcctctc acagttccca tgtggcagca gtagtggcag aggcaagaGt 420
ggacttattg ta 432

<210> 357

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA161292

<400> 357

gcaacaattc atcttattt cttatTTCC tctggagatg cagaatttgg tataTTcac 60
cccaggata tttggatag ttggctcCTC gctgggtcag gatggctggg tgcTTCTcc 120
cctggcatgg ttcttCTC tgcaggGCgA ggggcaggGA gctagtagAA cctcgcaatg 180
acagccgcaA tggagaccca atggagccca ggatgaaCTT ggtcaatccg gagagtccag 240
ttgctcccAG tgactgcaga gtagccacAA ggtgcccAG gaaCTccacc cccattggca 300
atggcgccgc ggacatcatc ttggctgcta tggaggacga ggcgattccc gccgcagtga 360
agccc 365

<210> 358

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA164252

<220>

<221> unsure

<222> (1)..(443)

<223> n = a or c or g or t

<400> 358

ttaaaatagt cactttatt tcttagcaaa actatTTCT ccgtgagggt tatttacaac 60
agagaaAGGA aagaAGGGGT caattcacAG cgacttggag aggctggagg ggctcgTgg 120
aggccccGAAG ggtatgacAG acacacttCA cacaattaAC tggAACTgtT ttttccggTT 180
tccgacGGGG acgtccccAG aggacttGA tggggccGGG ggcgcngntgg caagggAACT 240
cgcacAAACC acccGCCCTC ctggntggc cccccGGTCA cccgcgggtg agcttCTgg 300
atTCGGGCT caaggacCCC ggaaggGGG ttctggcagg tnccgacnGC agccncGGGG 360
gacaaggGGGc aaggGCCAAn gggcaggGCC gtggcgcatt naaaacaacc gagggggaaT 420
cggncaatac cgaggggggg CGG 443

<210> 359

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA164586

<400> 359

ttttttttta gtttaattct ttatTTgaac atcaaatagg ttgagaaaaat tgTTTACAGG 60
tgctcgagca tcccgcTggA ttcttttca aagtcaaaa gaggttaca agtgtgttc 120
atTaaacaaa gcaaagctgc gacaaaaccg agtcacatca gtaatagtat gcatcgGcaA 180

aaggcata taatccatca aacacaattt ggcatttgag cctttccca taaaacaaga 240
gctctacact gaagagtatg tagtgcacaa aaagcattgt ttatcacctg tgagagaaca 300
gaaactggca taatgtcact tattaattca agt 333

<210> 360

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165526

<220>

<221> unsure

<222> (1)..(574)

<223> n = a or c or g or t

<400> 360

aataaattca aagtcttcat ggtgttcaga gtcatagtag tccatacgct tcttttctt 60
gttgtaagct gcaactcgaa agggactat ttccaaagtg attaaaccag gggccatcg 120
cagcactttg gcaccatgac ttggctcata aagatccctc cctgtttctg gatgaggcat 180
gccagcaggg tctcgtaaa caatgtaaaa gttggctcct gcaaccatcc gtgcctgca 240
atgccactgg acctcagttg gtccagcata catcatggga gatggaaaga tggccaccac 300
tgtcgctcta ggattcagaa ctcccttcctc caacactgca gcatgctgct ttcatacgcc 360
acatcaaagg aacatcgta tcctttgtcc agccacccag aggggaagng aggaggacag 420
ggcgccggta gcccctctt agaagttgct tatgggtatc ctgcattaaac agggcatg 480
cattgtgcac tgggtgcgt agttgaaatg caaagacagc atcagcattc aaaccttnaa 540
tttctggttt agctcagtaa gaggtaaacg atnt 574

<210> 361

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA167550

<220>

<221> unsure

<222> (1)..(473)

<223> n = a or c or g or t

<400> 361

ggctggatg cagtggcatg atcgtggctc actgcaacctt ctacccccc ggttcaagca 60
gttctcctgc ctcagcctcc caagtagctg ggactacagg cacttgcac cacaccggc 120
taattttttt gtatttttag tagagacggg gtttccat gttggccagg ctggctcga 180
actcctgacc ttaggtgatt tgccggcctc ggctccaaa gtgctggat tacaggcgtg 240
cacncacgccc tggccaaaaa cccttgcttt ttaacttcga ttgacactta acaaaaatcc 300
tccacatcccc actttttgac agtttacatt aaagcctgtg gtctgaatat ttgtttact 360
tagagggggaa cctttggca acttatttgc aaacacatct aaccccttgc ggcttattcc 420
acagtattttt catagacactg tatatatttag acatcacact tggcctcgtg cca 473

<210> 362

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA167565

<400> 362

tagaccacac caaaacatgt tttgttaat gttgttaact tttgtgaatt tttgacccaa 60
gcaaacttgc gttggtaaaa agtgcataagg tggaggtggg gagggcagga agatcccaga 120
aaacctttgt cctcagaaaa gcaggtcagg ggcctggcac agtggctcat ggctgtaatc 180
ccagcacttt gggaggctga ggcttcaga tcacttgaaa tcaggagttc gagaccagcc 240
tggccaacat ggagaaatcc cagttctatt aaaaacacaa aaattagccg gacatggtgg 300

<210> 363
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA167708

<220>
<221> unsure
<222> (1)...(629)
<223> n = a or c or g or t

<400> 363
ttttaaagct tattagctca ttatcttgg aaacagtatg taaaactgaat aaaaaccaag 60
ggcaataata actgctactg gttgagtcatacgtatgt gtagtttggaa aaagaagacg 120
aatgatagat attgagcccc tttaggaaat gttgcagta ttgaatttg gcttcatacg 180
ttatctcttg cacacgaagt agagtaccat ggctgataac aagaggtaaa atgtacaagt 240
tgctctaata tggcctcaat gaggaccagc ttcaaaaccc gcttgctgat aattcaggta 300
ttcatggagg gtcaagactt caaagtcatg tacttcaagt accagtagag catctggtgt 360
tgctaaggaa gtctgtcagt gtaggggtgca tagaattgtt ctctgggcta tatcccattc 420
taggaatcac tggatatcct ctggagtgaa gggctgttaa tctaggttca cttgacacct 480
ctcagcaaataat gatcattccg gggtaagac atgcctgtct ctgcacttca taagttcaca 540
cacagtattt ctaagaatgt tcagcatcta ctgaacatga acgtgctgag tggaggtcng 600
aaagttggat gccatcaggt caactattt 629

<210> 364
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA169837

<400> 364
ttttttttt tttcagccctt gacagcaaca cccttatttgc agcaccagga atacccttcg 60
cacagaacca gcgagcttca cgtgctcagc ttccccggaa aatgctcac aggatgctgc 120
gggaccccccgcg cggtgccaca cgatctagtg gtgggtctgt ctgaactgaa gcccacagta 180
accgcattgtc cgggttttg ttctttgtc caagttata tacacttttgc ggtggccaaag 240
agctcccccg ccgcatttcgc acgttatcac ccgagtttcc acctcgctca cgggctgctc 300
tgctatcaaa tcaatggcaa agttttcattt caccttttc tgacgac 347

<210> 365
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA171529

<400> 365
ttttttttt tttcatctttt caatatcaca gtcttttaat gtcaatgaaa acaataattt 60
atgaattaaa acatctttt aaacctgaca ggaaaatata taagcacaat ttctggataa 120
agaaaatgag gtgcagtttca cagggcttta gtacttcattt taaacagta aacacagttac 180

caaccatcg tttgattcca gtgaataaga agttaagatt aaatttatta atcaacttg 240
aagtctgaaa ccgaaatgtat cctttaacag cattgccaaa taaacaggc agttctacaa 300
agctaatacat aatgc当地 tttgacccaa tgataaaagt gctctgttac catagtacca 360
gagtctgtct ttttgtggg tttctgtttt ccataacaac caaggattga attac 415

<210> 366

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171694

<220>

<221> unsure

<222> (1)..(471)

<223> n = a or c or g or t

<400> 366

tttctatttt atttattttt ttttttattt cttccctca taccttgccc attccctctg 60
aatatttagt gtgatgtcaa cagcatgtt gaaggatcaa tgggaaggca atgattgaaa 120
acatttcaat gaaccttaat agtgttcctt tgaggagcac ccaggagaat atctggcat 180
agatctttt ttaaatgcag tttataaaa ccctaacagc ggtgatataca tttagactgta 240
tgaatcagtt ttattaccta gtgtacaagt gtcagtcatg tatcattata tagtctgtt 300
atctttccat ttgcaaaaana ttaatagttt tccccacan atgtacaag ttggatgtct 360
tccagtccttc cttaatggt ttatagtcat tcccaaaggta aacattccaa ttttacactt 420
tcacatacat tggtaagga atcantgggg ttttcccccc ttttncccc t 471

<210> 367

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171760

<220>

<221> unsure

<222> (1)..(371)

<223> n = a or c or g or t

<400> 367

tcagccaatc acaaaaaaca gactttattt aagtatttag cactaaaccc cacacaattc 60
cagctctgta gctgaggaca cagccacttg gcaatggcac caggtgttat acaagaccaa 120
taagttatgt taaaggacgc ttaggtgtgg agggccagtg ctcagccgtc tcctggctca 180
gaacaaggca ctctgggctc cagtttaggac actgagaggc cagggaaacc aacatgccct 240
ggagaaaaggc gcttagagac aaaccggaaa agcacagcat ccaagcaggc tattcacgca 300
tggggggcag agtaggccccaa aagttgggg gttgcctgat gcggtaagag cacagttgag 360
agnaattncc a 371

<210> 368

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171939

<220>

<221> unsure

<222> (1)..(298)

<223> n = a or c or g or t

<400> 368

tttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacagggtt 60
ggaccggcca gctgacagtg cggcctcaga cacccccggc aggttccctc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcg ggcattccgg ccacaggggg aagcagggtt 180
caggctgccc cacctgggtc tggccctggc aggcccccc tcacctggct ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tcctgctgcc ccggggggtc agcnagca 298

<210> 369

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172076

<400> 369

tcttatttcag tctccgtaga gactgtcaaa aattgccagc gctgattata tttcaagtca 60
tcacgggtggg gtattggaa aatttcaat tagcaataat cgctctcgataaaatctca 120
ttggctacgg tactgccact gtgcaaagct agcttgacgt aggacttga tggcatgt 180
taaacacctca cagggcaga acctcctcca tcccccactc caaaagactca tgtaatcagt 240
acgcaagaaa gttcagagat gagacctctg gttgtattcc acctttggaa catggggat 300
gtcttagttt caaagtaca aataaatgca gtttctacaa ttcaagggct tcataatccct 360
gctggagtt tacatgtttt ttcaggatgg accacccccc tttagcaacag tttctaaacc 420
tttg 424

<210> 370

<211> 201

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA172372

<400> 370

tttttttagt ctgaaaaaca taatctctat aatcattaa tttttctttt tgaaaaatgt 60
atgtatacat acacacagtt tccataaaaaa aacatagata gtaaaagctga ttaaaatctt 120
cctgtcctat tggtaaccagc acatgaagcc cttctacaaa attcctgacg gactggaaat 180
aaaaattcct agtacagagcc c 201

<210> 371

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173430

<220>

<221> unsure

<222> (1)..(374)

<223> n = a or c or g or t

<400> 371

ttaagacaaa cataaccttt attctctctc aaaaacccag agaacaggc ctgaaaccat 60
attcgttaat ttaaccagaa tcagaatact ttaacttca tagtctcatt taaaatttta 120
tagcaatata ctgaccattc taaaaataac aaaatacatg ttgctctcaa ctacatagtt 180
aaaaaaaggta gtaaattctc ttacccaaaa tagaggagg gtggggctagt gagctgctca 240
aacatttgta acaaataaaaa atgtatctat atacatataa tgatcatgtt ttcatagcct 300
aaaatcacca ttaacaaaat ctaataataa aattgtgtcg tggcaggag ttggaaagcc 360

aacacattaa attn

374

<210> 372

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173505

<400> 372

ttgggattgt agcagacata tttcgagaaa gatcctgata ccccaatgtc cttcttgac 60
tttgcgttg atcctcattc ttccccgt acagtggaaa acatcttc tggcccttc 120
attatacggg atggtttgc aagaataaga ctggaccaag accgactgcc agtaatagag 180
cctgttagta ttaatgaaga aaatgaggaa tttgaacata acacacaagt tagaaatcaa 240
ggaattatag ctgtgagta ccgtgactgg gaggagattg tgaagacctt tgagattca 300
gagcctgtga ttactccaag tcagaggcag cagaagccaa 340

<210> 373

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173597

<220>

<221> unsure

<222> (1)..(436)

<223> n = a or c or g or t

<400> 373

ctggctgaag catcccattt gaggccatg tataagttgg gctatttagag ttcatggaac 60
atagaacaac catgaatgag tggcatgatc cgtgcattat gatcaagtgt tacttatcta 120
ataatccctct agaaagaacc ctgttagatc ttggtttgcg ataaaaatataa aagacagaa 180
gacatgagga aaaacaaaag gtttgaggaa atcaggcata tgactttata cttAACATCA 240
gatctttct ataatacct actactttgg tttcttagc tccatACCCAC acacctaaac 300
ctgtattatg aattacatat tacaaagtca taaatgtgcc atatggatataccatgat 360
tcctaagttt gaatccgttt acctccgtcc tagaattttt ggtgtgagat ttttggttc 420
ccaggtatag caggcn 436

<210> 374

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173755

<220>

<221> unsure

<222> (1)..(419)

<223> n = a or c or g or t

<400> 374

atttggaaac atttttaata aataatgtga caaaaattact tttctgatta ttggattttc 60
agtatgcggaaa attatggcta aaaataaggg gcttcttaca tgaacataat gaaaacatta 120
atcacatggaa ttgttccctt agtactgcac gcctttctt tggactttt tcaaattatc 180
taaatgaaca agtttggttt tggtaacac cagccttttt ttttgggtt cagttttgtt 240
tggctttgtt ttccactggg gtcagacctg atacttatct atctatgaat aatgtacat 300
tttttcttc aaatagcacc aattataaaa tcaatgatat tcntaaaaatg aaaaaaaaaagg 360

atcatagaaa tctactagtc agagggcattc atttgggtcca attggaaagc caggtaatg 419
<210> 375
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA174202

<400> 375
tttttttttg gggactataa caggtgttat tgacgaccgg ggcaagtca tctactaacc 60
ccagaggaac tggccgcgtt ggcaacttca tccgacagcg gggccgggtt tccatgcgg 120
agttgccca agccagcaac tccctcatcg cctggggccg ggagtccctg cccaaagcccc 180
agcctgaccc agtccttcctt cttggactca gagttgggtt gctacctggc tatacatctt 240
catcctccac atct 254

<210> 376
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA176233

<220>
<221> unsure
<222> (1)..(514)
<223> n = a or c or g or t

<400> 376
tcaggattaa gcatgttattt attttagttc agttaaaaca aacatacatt gtttcattga 60
aacgggttag cactcttgc caacaagcca tactagaatt gttggcctt aacagtacag 120
tggggatatt tacactatat acacaaagt aatacaccac gtttctcaa ggtcttccat 180
tacactagat cacattttt ttcattacac tagatcacat ttgattact gcatttgaa 240
aatgtattcc ttattttaaat tttaaataag agntctgaat ttgtaccaag atttcatgaa 300
aaaatttgat gttgttattt gcaaaatacaa tttaaacaag ttttttttag tgtttgtaca 360
caatttgcattt attttcaat attcaattttt ctgtacaggg acttttgggcaattcnat 420
agttacataaa tgngaaattca tcnaaatgca gttaagaaac ttacaggat atatacactt 480
ggaaccccccag accccaacctt gacatttat acca 514

<210> 377
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA179004

<400> 377
tgcctttaaa atcattttat aaagaatggc acaagttggg gtttatgtt actcagatga 60
accgtcccccc ttagaggaca caatcccacc cccaaaccccc ccaactccac gactgcccatt 120
cattgctgtt aatccttcag gggagggttc acagctgtt atgaagccaa gagaggtct 180
gggcaagatc acagctgggg aaacaggccc aggctgctc cttgggttcc tccatgctgg 240
agtcagcggt gcccataatgac ggggtgatgt gatcacatct gtttcccttcc cacaacaag 300
agcaggcgctg gc 312

<210> 378
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA179298

<400> 378
ttttcactt tacaagaagt tcactcttat tcatggaggc atcatgctga caggactgga 60
tccaaggaaa atgctagtga ctcccac ac ttcattcccc aatcaaagag gacagttct 120
ggttgccac tggtagttt gttacacgac taaagttcaa ataaaaaaaaaaaacccaaa 180
atcttggcac ggaagctaga gccagaatca ggaaaatctg cttccttgc cccagactcc 240
ctggccaagg ccagctccac taactcatct tgactcgatc aagttcctca tcaagacttg 300
catctgtacc ctggacatct ctgctgctcc cactggagag tgagtctgga gtccctggca 360
ctggggcttt ggtgagggct ccatatacac ccatggcctg agcaccatgc tggtagacatc 420
gccagggtt gagggcagta ggatagtgtt ggagtcctt gccagttgg gagaacgcgc 480
tgacatactg ctcggcaca gtcagtgaag ctgctgcate t 521

<210> 379
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA179387

<220>
<221> unsure
<222> (1)...(366)
<223> n = a or c or g or t

<400> 379
ttaaggattt acttttctta acaagtgaac aatttgcttc taagcgtcaa tgaaaggcaa 60
cacctccctc taatggccaa aggaagagag tggcagtaag ctggctttc caatgtgnca 120
cacaatccct ncnggcnatt aagttctcct tggggaaaaa gaaatttagt tgtttgata 180
acttagaaaaa gttagttta gacaacagtg acttcagct acaaatacaa aatcaaatcc 240
atgtatataatna ggcttctgta atcgatgtct tagaggaaca tctgctcatt ttctncaagc 300
cccagtccta taaatcaagg caagtcaagt aattaaagct tcaactatattt tggcagctt 360
tgcaat 366

<210> 380
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA179787

<400> 380
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ggccaggagg gcgaagcttc aatcctgctg ctgggttcgg gagggcctctg cattggcccg 120
gagcacagcc cctggggatg gatacggccg ctgctggaag agggggcccg ctgctgttgt 180
gtcagcgcctt gtctggcct cattccgctt ggggagtcct gttgaccacg tgccccgggg 240
ggttcttgag tatgagctag ggtccatggg gtctaactct tcatttccttc ggcttactgc 300
cttcttgctc ttggatagg gagccagctc ctccggcga tggtagggccc gttcttgcc 360
ctctcccg gtcgtttgtt catacccgcg gtcccgatcc cgatccctgtt ctagctctct 420
ctctctgtc 429

<210> 381
<211> 444
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA179845

<220>

<221> unsure

<222> (1)..(444)

<223> n = a or c or g or t

<400> 381

tgaacaataa tatcttaat ataactgttt ttgtgtgcata agaaatcata taagtaaata 60
aaaaaaaaaca acaacatgag attacatagg tggatataat acaaaaagtga gaaaaaaagct 120
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180
cctatttctt caggagagta gctgaccac ctcagggcca tgactgctt tctcttccc 240
cacagcctta gtacttttg ccaaaggcc cagatttgag taaagggaa cgccgtgagc 300
gtaaggatcc gggcataagg gctgcagctt gttgagctt ggcaggttgg tgccgggaa 360
agtaaaatttc ngaaggaatg gttcctncc ctgntgggtt gttgggttgg ttgctgattt 420
tcncngttgg gtaccaaggc gcta 444

<210> 382

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA180356

<220>

<221> unsure

<222> (1)..(241)

<223> n = a or c or g or t

<400> 382

aaaaaatatt tgattcaagt gcttatcctc ttttaagtca atgaagtaga gctcttttt 60
atagacatca catacagc acatatttaa ctacacaagc agaagaaaat gcagtagctg 120
tggaaatttt cgtctgccaa tctcctaatt ggattattgg cttccgggtg ttgcctttta 180
agagacaggg ccagaaaaac atgcagctt ttaaggccta ataaaatagg gcatgantgg 240
ggnggcaaaa 250

<210> 383

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181580

<400> 383

taaataagta actccattgt ttttctctt tccaagatgg ccgatgttat ggtttctac 60
gaagtcaatcg cttacttagc tcactaacag cgctgctgtt ggccgctgcg gctgctgctg 120
tggcaggatt ttcaatgtgg tggatgtttca agcctcactc actcatcctc tcattccaa 180
acattcagca tccgtgcaca ctcctcactt ccagggtttt caaaagatgg gagatttcca 240
gtgggggtcc tcaggttatac atcccaatgg taacagatca agttgggtc ttcaatgtttcc 300
tcagttcttt tggatgtttca gtagcaaggg tttttgtttt gtttagtcttc gatctccgccc 360
cttcagttaa caattcatgg atcattggcc tagttctac taatttcagt acatccctcc 420
caaatgctgt a 431

<210> 384

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181600

<220>

<221> unsure

<222> (1)..(408)

<223> n = a or c or g or t

<400> 384

tatTTtaac ataaaagttc tattttcttg tgaggcagca acaagtgttc aggtacaggg 60
aatacataag tacagcgtaa caataccat taccattgga aatgctgtt tttgagagaa 120
ttgttagaat aacaaaatgt ttAAATTgc attttaaaaa gagttacaca gcttccacag 180
agacaaaaaaa tgaagagttt aaaaaattct attcttaaac aagactgtat aaacaaaatg 240
ctgttcaggg ctgctctgct catcttcaat ttggcagag tagaacttaa agtgcaggag 300
ttaaggattt ttaggcttta ttttgcaaat tccggccctt ccactcatcc gggTTTggg 360
gccctcaaAn ttcccAangc cttggggntg gatcttaggt ttncatg 408

<210> 385

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA181705

<220>

<221> unsure

<222> (1)..(401)

<223> n = a or c or g or t

<400> 385

aagataacca acaattactt taattcataa atgtatatac atagattaca taaAGAAatt 60
aagtacacat gttgcatttt aaaaatgtgt ctagcaggtt attgtacaaa attaaaaatga 120
atttaagaat acatttaac atttttaaaa tttagttaatc atatatTTtat ttatctatnt 180
tatttattta tnttgagac agagtttac tcTTGTTGCC caggctggag tgcaatggtg 240
tgatgttggc tcaccacaac ctctgcctcc caggttcaag tgattctcct gcttcagcct 300
cccgagtagc tgggTTTgca gacatgcacc accatgaccg ggctaatttt gtatttttag 360
tagagacggg gtttctccat gttggcagg ctggccgaa c 401

<210> 386

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182001

<400> 386

tttttttttt tcagcttaaa ataaattttat tgtgcaatac aaaatgttagg catactggaa 60
aataaaggtt cattattaaa tatacaaAGC aaatgaaAGC taaacaacac aaatgttttC 120
atccaaacac taagataaaa tgcacaac 148

<210> 387

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182030

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 387

atccatcataaaatattta ttataaaaaaa ttatcacatt tctctgtaca tagcataaaag 60
acaaaaaacac aatgtataca ttaataaaatt aagtgggcct gagtatttag tatccatcta 120
ctagaatcctt aaagctcttc cccagatttc acaaaggcca atgtagatta ttttatattt 180
atcaaaggttc atttgcacag ttgggtgaaat tgagatacta acatttctt tttctagtgt 240
tttaaagata gttcacagta tttaggttaa ttaattaatc aactgattta aatctttgg 300
aaataacaagt atttacatgt aaaaatgtt agctcaaatt tcagtaaaaa actggaaatg 360
accaataacc tactgccaac tggtttggta taatccagaa atgcatgagc cggaactccca 420
ccattaagaa atggcactgt cnaggaccc ngatgataaa actggaatcc ncaaaaaat 479

<210> 388

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA182568

<400> 388

ttagaaatca gggttttttt tatttaatac attctaatac aatagtaaca gcagtaaaata 60
aacactttga aaaacaggca ggtatcccc ttttatctgga agaaaattaa gtcaaagtat 120
tctacacagt agaagggaga caactgtttt tttccatgg tagacaattc aaggacaact 180
tggatatttc taaagccatt tccaaaaat caatggcaac aggttggac acagctattt 240
caaagggttag aatgcctata cttacattgg tttttattaa cggggattga gttgcacctg 300
tatagcatga tattttgtc tttagctttt aaggaaaaaga gaaagtcttt tccatttgca 360
ccagttgaa atatttctga aataaggctc ccatagaatg g 401

<210> 389

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA187437

<220>

<221> unsure

<222> (1)..(458)

<223> n = a or c or g or t

<400> 389

tttttatctt tatgtttata aatttattta atttccaaga cttatgtttt catctcaatc 60
cttgacatac tcatacgcca gacacaaaaa atagttgtct atttaagagg ctttaatgaa 120
tgacaacatt tttgaaatatt gctatatgag tacaaatatt tccagagcaa agagggaaaa 180
ctgttgattt ggtagacaat caaattccaa gcatttatct gatttacaga agtacatcta 240
cttttgcattt ttcactaaat gaatacaacc acttttaata tatatgtgg tttggctgtg 300
tgcgtatattc aaaacacaca cgcacacaca ataaaagaaa catttcatacg tggcaaaatt 360
tttagtgcact gccaaagtgc tacaataact gtcatccaca gacatccaca tgcnaacact 420
actggacttag tacacttagag ccaataagga gngtattt 458

<210> 390

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA187579

<220>
 <221> unsure
 <222> (1)..(549)
 <223> n = a or c or g or t

<400> 390
 ggcccttcctc gtgtgagggg atctgccgga cccctgc当地 ttcaatttct ttccc当地tcc 60
 ggcccttcctc ctatcgctcg ccccttc当地 ttggatcatg ttcaagaaaat ttgatgaaaa 120
 agaaaatgtg tccaactgca tccagttgaa aacttc当地ttt attaagggtt ttaagaatca 180
 attgatagag caatttccag gtattgaacc atggcttaat caaatcatgc ctaagaaaaga 240
 tcctgtcaaa atagtc当地gt gccatgaaca tatagaaaatc cttacagtaa atggagaatt 300
 actctttttt aagacaaga gaagggc当地tta accttccaac cctaagatta cttcacaaaat 360
 atccttttat cctgccccacac cagcaggtt当地tta acaaaggagc catcaaattt gtactc当地gt 420
 gagcaaataat catgtgtccg ggcttaactt ctc当地tggagc taagcttac cctgctgc当地 480
 tagataccat tggtgctatc atggc当地gaag gaaacagcat gctcnatgtg ttggagtc当地 540
 gaagatgtg 549

<210> 391
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA187938

<220>
 <221> unsure
 <222> (1)..(428)
 <223> n = a or c or g or t

<400> 391
 aatgggttaa aagatacggg gaggagtgtg ttgagagagg tggagaaaag gagcttccag 60
 tcaatgcatt caccatatct gaaaatactt cagttataca aagggAACAC ttc当地gagatc 120
 aggatataatt ataaataagt ctctc当地gcaaa gatgaacggg tgaacagttc aattgc当地ccc 180
 acaggagaga ggtcttcttg gagaatgctt gtttataaaaa tcttctgttaa aatagagttg 240
 gctacttctta atgattc当地tcc ttgtactaaa acaatatcat aagagtccat gtactttct 300
 aaaagctcat ccactctatc atttagatat ccaatttca gaatgtgctc aacattggcc 360
 actccatctg ccattcttaa gtctc当地tgg gagtctcccc agaagaatta tgttacnatt 420
 ggcccttaa 428

<210> 392
 <211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA188378

<220>
 <221> unsure
 <222> (1)..(282)
 <223> n = a or c or g or t

<400> 392
 tttttttttt ttcaagagta taatattttt tattcactga taaaactaaaa gccaa当地ttct 60
 tggatattct catgtatact tcattt当地ttt tattaataag caaaggccctg taaggggagc 120
 ct当地tgc当地tag tcctccgact cngattc当地tcc ttcatcttga ctaatctgga agtaacgaag 180
 tt当地ctgtaggtc tcctt当地tgc当地tcc atgcaaccac tc当地aagccaa tc当地acgaagat tggtt当地ttt 240
 aaggtagttc tt当地gttaaggt atttcaaata ccttttagag aa 282

<210> 393

<211> 385
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA188921

<220>
<221> unsure
<222> (1)..(385)
<223> n = a or c or g or t

<400> 393
gggacagggt tttaaccaca aataaggagca gcatgaattc ctagtgactt gctgcacagt 60
attgtatcat aattacagga agtttttatt tttaaaaactg gatctggggt atattcattt 120
gccccatcac ctctgtctaa aggcccaagt cctagggtcg ccatggtac aagcacacct 180
gatgctcctt aagattgttt atctggagcc cacatagtgt ggaacaaaaa gtcaccctag 240
aaagcatcct tggtcatcat tgtctccttc ccaccctggc ccagagatgc ttaaatccaa 300
gttgttctc nagctgtcac ctcccccagg agatcaggat tccactgacg tcctggcag 360
ccagtgaatt taatttcca tgaga 385

<210> 394
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA189015

<400> 394
ccagtgtact atttatttcc tcaagtgctt ccatgggga aaaaataaaaa gtctaataatg 60
ccagagaaat catcattgaa ccaataagac acagtaacat aattctagta acctacttct 120
caatgaacac acatctgaga aaaaaaccgc cagtattta ttctcatgga aaaacagaac 180
aaacccaccaa gttggagtca cggagataaa atacagatga aatggaaaaac ggtctgttgc 240
catgaactct cacttcaaa taccattttta tatggaagtt actttactgc ggggcaaaca 300
gaaggccatg ctggagtctc ttactttgg aaaaatggaga atcaaaaatt tgctaatcaa 360
caaacaaaaa aggagggaaa ctccttggg aaagctctac aaacataatt atacatt 417

<210> 395
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA190816

<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

<400> 395
ttactttcac atattttatt tcatttaat ctcaaaaacag cttgtcctg attcccccta 60
tgattctgca atgattggc tcattgttca gaaatctaga tcccagtgcc ccgagtcaag 120
tggggctggc ttgaacaaaa ggtactctgg aaccccaggg gagggccggg agaaaaagaag 180
ggcagccagc atgtatagag ttgtggagtg gaggagattt cccagttctc caaggtccag 240
ctgactaaag cacctgcccc tagtccactt ggcctatgcc aggaagtcaag caagttttct 300
tgagaaggc agaaaataag gccattncaa aaggaaacna cccatggcta atggttccca 360
ggtaaaaact cntatggat acctggaaan tttggaattt tcanggttaa ttttcccc 420
cttggaaana aaaaccccnt ccctttggg aattttttt cancccttt tacaaaan 478

<210> 396
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA191014

<400> 396
ttttttgct tgctctgatt caggcactt caagatcatt gtttatttat tacttcagat 60
aaaaagatag tatacatatt agggaatccc taaaattca actcttaggt tatacacccat 120
ctagtacttt tgcaatgaat gttaacaaca aaaaaaaaaa tctctaaaca cctgaaagcc 180
ccactattaa catggactat gtataaaaaa aatttgaca tttaatttgt tcaacatata 240
gtatttacat tatgaaacca atggtgatgta tacaataaag tgataaagaa atagtaaaaa 300
taaactttaa aaagcaaagg tttatagtct gacaatgcta attatcctaa ttgtatat 358

<210> 397
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA191310

<220>
<221> unsure
<222> (1)..(391)
<223> n = a or c or g or t

<400> 397
aattcaggaa aatgtggctt tcattacggt caaatctcaa catgtctccc gaagagttt 60
taaaataagt tattctaaac atgtacattt agctttggaa tgatggagag acacagagat 120
atatgtaaac gtcaagagaa tcactccact ccacgtctgg gtccacaccc ttccaggcctt 180
tgtctggAAC attatgtggc tggtgccctga ttccacagtg aggatgcagg agcccgagg 240
gtgatggata aagcattagg agacaatcaa gtgtcaggaa ttggtaata agaacggcctt 300
aaataatgt ttaacaagga agaccgagta aaaaacaatc ccatttcattc tttagaaaaga 360
attaangtca ctaaatggat ttcttctaaa g 391

<210> 398
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA191488

<400> 398
tgagatggag ttcaacttgcgtt gtcacccagg ctggagtgcata atggcgccat cttggctcac 60
tgcaacctcc gcctcctagg ttcaagtgtat tctcctgcct cagccttgcgtt agtagctgg 120
attacaggcg cccaccacca tgccccggcta atttttgtat tttagttaga gacggggttt 180
ccccatgttgcgtt gccagactgg tctcgaactc ctgtcctcagg gtgatccagc ctgccttggc 240
ccccaaatgttgcgtt ctgggattac aggcatgggc cactgtgtcc ggcctggac cttatttct 300
aatgttaagt ttgaggcttgcgtt ggtttagttgcgtt ggcaagaatt tccctcagct gccatcaatc 360
ctggctgaag ttaacccctt tccatcaactg acccagggaa aaaaaccacc aaatttactt 420
actatctgtt aaaaattcaa aaaggaagca gatgatcaag tcattgaaca aaaagctaca 480
tgatttagac aagaacatata aacttggctc taagatgtat g 521

<210> 399
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA191647

<220>
<221> unsure
<222> (1)..(579)
<223> n = a or c or g or t

<400> 399
atgcttccag tcttctttta atgtttatag tcattccaaa gtaacattct attttacact 60
ttcacataca ttgttatgaa tcattggtt ttctctttt tccacttatac accaatttat 120
ttcattcaggc cagattgggt gtctatagaa aaagaaaattt taagaccatt attaaaaata 180
atatatggtt agaaaattgt agatggttct ttaaatgtat tccaattttt aatgttactt 240
tactcctgat tcatttatat tttctgctt tttatatgtt taaaaatotc tcattctatt 300
gctgctttat ttaaaagaaag attactttct tccctacaag atcttattaa ttgtaaaggg 360
aaaatgaata acttacaatg gagacacacgt gcagacacca tcttaaccaa gctgaagtt 420
acataaccag taatagaact gatccatatac tgcgcctcct gatatggtgt actaagaaaa 480
acacacatca ggcctgaagt ctgcaaagggt gctaaccaa tctaattctag gaacttggnc 540
aactcnatgg aggacttcta caagtgcggg attanggat 579

<210> 400
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA191708

<220>
<221> unsure
<222> (1)..(629)
<223> n = a or c or g or t

<400> 400
ttctttaaaa tacatacgaa gtgtaaagag aaaatggcca aaacacctaaa actaccattg 60
ttgaaaacaa tattaaaagg acacaatcta aaatcatgct acaaaaaatag tgttatcttg 120
ttaactaaa tgtacatctt ttttccat tccatgattg acaagagtc ttatgcgacg 180
catggaaaggc accagaggtg aagtgattat ttgccttaaa atatacaaaag aattgcctac 240
tttggaaaaaa aaatagtcat acttgtaat aaatagttt gtgtttctgc catgggttcc 300
tgaacccccta caaattcaa catatacaaa tagttcaat tcctaccatt ctcttagagg 360
gaaccacgtc aaacaaaatc aagtttaggaa aagcaactgat tttatccaag tagtcaatt 420
tgaggcaaga ttcaaaaact cttttaaaat gggttacgag tgaaagagtt gggAACAGGC 480
agcccccttg ggcctgggtc agcctacgag tccatcccgg tgcgcctgccc tcacatctgc 540
cagccctcag gccggccagg tctccttcna accctgagta ttgccttcct cacttctgcg 600
aagaggggac agaatctgaa gctgcnaat 629

<210> 401
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA192755

<220>
<221> unsure
<222> (1)..(518)
<223> n = a or c or g or t

<400> 401

ttaagtttg tcaaaagtta aataaattcg caacattcg cagttcnccc tccctcgccc 60
ccgccccccg ccccagtccc tggctcctcc tagtagatac gcgtttttt ccagctttt 120
caagcggggc ctgaaaagggt tcgggtccgg gctgtctgg gcanaggtat ccgaggcccc 180
agctggggaa agggggcgag aaccagtccc ttcccggaag ccccgtcggc ctcagggcg 240
ccttcctacc cctcctctcc cagcagtccc gttgetttcg ccccccctccc caaactccac 300
tggcccgcc cagaatgggg tgggtgttc tcccgcttgc aggccggcc acacctaaat 360
ttcctctaga aagtccgtgg gaaacagccc caccttgcgg ccgggttaga ctttgacgta 420
gccggccgct tcgttcctt tctgcaccac gatctggtcc ttcttgagag tgatctgccc 480
tatctcgccg ttccncacga aggatctcgta caccgggt 518

<210> 402

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193204

<400> 402

tgaccatttt taaatatcat gatTTTTTC tttctgatcc cacattttga cgtgtcaaag 60
cttagagcag gaagtaggaa tccacactt cacggagggg gaccagcctg ccatgtcgtc 120
cccaggctca cagcagcggc ggctactctg ctgggggttt ggtggcaggt ggagatggtg 180
acggcgcatt gaaaaaccgta agcatgacaa cgggaggccc gcgggggttt tcaggcgcgt 240
tgaccagggtg catggctggc aggccgcctc tacagaagga gggaaagcga attcacagcc 300
tcttgcgtta atttccggg gaaagtacca aagaatttgg ttcttcttga ggtccccaca 360
aaccagccgt catcacactt ttc 383

<210> 403

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193223

<400> 403

taaccaggag aaataacttt atttggactg agagctggag aacaagaata ggacctgaga 60
tagcatactg ggctaaggag gagaggtaag gttccaaaat ggcagtcaaa gctcatcgac 120
caaacagact ctacttcca gcaacttgc agtttagtgca accaacaaaa ggcctgctgg 180
ggaatgtatt ttccactaaa ttccccaagt atgccaacat tacaaaaaaaaa gatagaggtt 240
tttcatcata 250

<210> 404

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193297

<220>

<221> unsure

<222> (1)..(523)

<223> n = a or c or g or t

<400> 404

caaataattga tatgctggag gaatttgcct acttgagaac tcaggaaggt gggaaaattc 60
atctgaaattt actacccaat caaggaatgc tgatcaagca ccacactgtt actcgaggca 120
tcaccaaaagg cgtgaaggag gactttcgcc tggccatggc gcgccagggtc tcccgtgtg 180
gagagaatct gatgggtggtt ctgcacaggt tctgcattaa tgagaagatc ttgctccttc 240
agactctgac ctgagtgag acctttccac cagacacagc tcgggcctgt gtaattgtag 300

gagaagacac tcagcagtga ttgccatgga cagagccgtg gtcattgtt ctgttacaaa 360
gaagaaaacc atctgagttc taactccttg gttgcttaaa agtagttccc aagaagtctg 420
agaagctatt tccaattttt taagagtcat tttttgtaa tttttggtaa aaccaaaaagt 480
accaatcctg ttttgtaaat naaaaatcat cctaaaaatt ccg 523

<210> 405
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA193671

<400> 405
tttttttag acttgtaaaa caatttaat gtttactcaa aataaatgag atgtcatcat 60
tagcccttat ctctcacact tgaaaaatgg agacagttgt tcagaataga aaggaaaca 120
gctatttagag tttaaagctca agtttcaaga agaattcaga taaggcaggt aaaaactcta 180
gatacttttc cactgtccaa catcaccaaa tattaatttc cacataccctc tttatccat 240
aaaaatataa atatttatta gaaatagtat gtttaagatt agttttctt tctaaataac 300
at 302

<210> 406
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194075

<400> 406
tcagaagcca cttatacaga gcctccttct cacaattctc atcacacaca cactctgcaa 60
agtttgca gggct 75

<210> 407
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194146

<220>
<221> unsure
<222> (1)..(619)
<223> n = a or c or g or t

<400> 407
accaaagaca ttttagagaag tgaattgagt cagggtgatg gtgaacacta catattttat 60
agatggtaa gttgagaatt aattatgtt atcatggatg gctactaata ccaagctcat 120
gattgttgcg gcctcaacgt cttaggcagt aaaacttgc tgcagcacta aagggggaga 180
aacccttata ttttgcAAC tgcatttttgc ttaaatttat tgcacccatc taccaaaaac 240
tgccgtttt catattttt cccccacctcc tactttttt nttttttg ctacttgc 300
aataacccct tctagaaaat aagcattaac tggaaatgtt caaacatatt tgcttcattt 360
tactatcagc cactagtggaa ctcttacaga gatgtacatt taagataaaa ttagcttgc 420
ctaagtgttt taaaaacatt gtttactgnt aaagggggaa ttgcacatc atattnaact 480
gggattgctc cctccctcag ttccctaaaa accagagtca aggctccac caacttgc 540
gctgtgggag ctttgcata ggtagatcca tggngaagta accttttaa gcatgaagaa 600
gcagggacc tccttatat 619

<210> 408
<211> 139

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194237

<400> 408
tttgaattat gacagaatac tttattaaaaa tgtgtcttc agtaatatgt ttagcattca 60
atatacacac atacatatgt acactcttg acacacctca tggattgctg ccatcagtt 120
aactaataaa ttaaaaacta 139

<210> 409
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194724

<220>
<221> unsure
<222> (1)..(520)
<223> n = a or c or g or t

<400> 409
ccatnattnn nnaccttaa tactctncng tntncacacn cccacagtnt nantgggctc 60
cncccctcaact tantgnccgc cgtnatggcc ttgannttgc ctgcccgcgc cagnatgttt 120
ggcacaaaaga gcagccccga agcccgctca atgctctcga tgggcaccagg gaagcgctcc 180
agtgggatgg cctcatccac aggtgcgttg ggcacatcacgt aggtgcggan tcaatttgcc 240
cacctgctgc ctccaggatc agcaccttqa agaagtgtgt gggcactgca cgtggttctt 300
gccgatgacc tggtaacttta cgttaggattt cccatcagcc tctggtccctg tggggcagac 360
ccagggcacac gtgggcaggg ggcctgggat gaacccaaag ccacctcttc caggcagcct 420
tccccgatct gtcccccaan ttctggtcaa cctggcanga ccangccctc actgggaaaa 480
cttctngaag cntgctggn tcctccctga aggctggaaa 520

<210> 410
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194730

<400> 410
tcaattcagg tgactgtttg atatttcat aacattttct ttaacattta atagaaaacta 60
tatacaataa attttacta tattttacat aagatagcaa ccacagaaat ttacataggt 120
taaaagcaag acggataagg aggacccagt cctgttt 157

<210> 411
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194833

<220>
<221> unsure
<222> (1)..(292)
<223> n = a or c or g or t

<400> 411
ggatttacca acacgttaggc ttttatttct tcccattaca tctgtttagc cacagaaaagc 60
atggggccat actcaactgca gaagataaga cttcctcaga atcttattcg ttagtgac 120
tcaattttac ttcaactgtct catcaacttga gagactgggt aaggcaagaa acccatttct 180
taacattttt tttatattca aacatttgaa aagcaacacc aaaacgtatg cagtaattc 240
ctcaatttctt tccctttagna tagcacttt taaattacaa aaccacactt ac 292

<210> 412
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194997

<220>
<221> unsure
<222> (1)..(362)
<223> n = a or c or g or t

<400> 412
gtctctcaga gaattattta atantagaat taccatantt ntggcgcaaa tgtgnccaac 60
accaatgtga caagtacata tatcngaatc antcttcct cagagaatca caccttcct 120
tggctctgct gtggatccaa atcaagcctg ggtgtgtcng acaataccag ggcacggttt 180
gcttcncggc cttccatctc tactgtttgg ctacagctt agttcaactag gcatacggtc 240
ccctctcagg ccagccagca agttgttagc tgccaaacaag gacatgggt tgccgggttct 300
gtgggtggca ctgcaatgtn gggcagaatc acacagttct tcagggtcag gagaggggtgg 360
tt 362

<210> 413
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA194998

<400> 413
aaccttaaga gatTTTTTTT aatgaaggaa caaatcaaaa tggctcagaa aaatcagatg 60
gagtggatac acaaataaaa tacatgttaa tgcttaacac attgaataaca aattttctt 120
atactaaaga cttaaaatg tccatgttt aatttcttt ggaggtggaa aaatagttt 180
tccaaaaaga cactttcac agttgaaggaa acttggaaatg tctgtcccag tgagtcccaa 240
tggTTTATT tcaggcagca gattcattgt caaatatctt acttttaag gtctgttaggt 300
tatgctgaat aaaattctt gcaccatgaa ctccagagaa tctgaagtca ctttcctga 360
cagaccagt tttcattttt attgaattct gaattgtgtc cgatgtaaag tagtaaacta 420
tagggtcaaa acaacagttg gaaacagcaa tacagagagt gattgggtac attgtccta 480
ctgctgccac tactgagcaa ttaacaaatg tttgtgttct cacaagagaa tataaaataa 540
gattgataacc tcgtgc 556

<210> 414
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA195067

<400> 414
tttttttttt ttactttttt aagctttttt attcttgaaa agttcaaaga tatacaaaga 60
tagactatgc aggataatga gcccccacat actccgcac tcttgtct 108

<210> 415
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195179

<220>
 <221> unsure
 <222> (1)..(402)
 <223> n = a or c or g or t

<400> 415
 tcacaaggaaa tcagtgtctt ttacgttgtt atgatgaatc ccacatgggg ccgggtgatgg 60
 tatgctgcag ttcagccgtt gaacacatag gaatgtctgt ggggtgactc tactgtgctt 120
 tatcttttaa cattaagtgc ctttggttca gaggggcagt cataagctct gtttccccct 180
 ctccccaaag ccttcagcga nacgtgaaat gtgcgctaaa cggggaaacc tggttaattc 240
 tagatataagg gaaaaaggaa cgaggacctt gaatgagcta tattcagggt atccggattt 300
 ttgtaatagg gaataggaaa cttgttggc tgtgaaatat ccgatgctt gaatcatgca 360
 ctgtgtgaa taaacgtatc tgctaaatca ggaaaaaaaaaaaaaaa aaaaaaaaaa a 411

<210> 416
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195463

<220>
 <221> unsure
 <222> (1)..(790)
 <223> n = a or c or g or t

<400> 416
 tttttccag taacaatttt atttatcccc ctaattttta tcatggaaa aatccagaaa 60
 tcaaatgtca ttatgttata taaggtttaa cttactttaa acaaaaaatgt aacatagtgt 120
 taaaactggc tttccaaaac agtcacagca tagctgtact ctgtactaat aatcacaaaa 180
 ttgtaatata gaactctgtt atgcagtccc attatgttct tacaaaaata gaattaaact 240
 gtgtgaccag acaaggactt caattacact acttggcaaa cttagaattt cagttggagtc 300
 tttccctctt gcagttaaa gcaaaagtnc aaatatcaca tctttcaag actoacaaaag 360
 atgattcagg ttgtttgtt gggctgttt taatctcatc acaacggagg gatgtttcg 420
 cttagtcct ccgggttct tcccgatgg ttactaagtt nttaaacaaga aatgctaact 480
 gcggggtct tcggcatccc ttnccgaagg gggctgtggt agtgtcccac aacattggnt 540
 tcaaagcaca cngggttcgg cggcagttc acangaacta cacctggatt taggaggcca 600
 acactagcaa atttcaggcc gaatggtagt aggctggaa ttcccgtgat tatgaaaaaaaa 660
 acgtccctta atgggtttag gccanccccc aggtatggaa gttnggattt ttccctttt 720
 atgtggaggc agtngaaat ggattccggc tttccagaaa gttgnccaa acatggtaat 780
 tcctggaaact 790

<210> 417
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA195515

<220>
 <221> unsure

<222> (1)..(395)
<223> n = a or c or g or t

<400> 417
nnctttatca tactattttt aatgcataa ataaaaatgg tttatatgtt catagaatac 60
acacacacac acacccttag gtcaatttct taggtctcgag ttgtggtaa attcactttt 120
aaatacaagg ttccaagtat ccaagttgcc aggccagttg cctgtacctg gaacagcctt 180
tccaccgaat aagaagagtc cctacttaaa cagcttaagc taatttccat canacnattt 240
atcncagtct aattaccagt ttatcagtct cccattaaag tgggggctcc ctgagagcaa 300
ggactggtca tcttcacttt gccttgaaaa gtagacatng gtcccaaatt atctgctaaa 360
tgagtantga acaatatngt ctattcagaa ggtgt 395

<210> 418
<211> 381
<212> DNA
<213> Homo sapiens .

<220>
<223> Genbank Accession No. AA195656

<220>
<221> unsure
<222> (1)..(381)
<223> n = a or c or g or t

<400> 418
gtagtttag tgaaaacaaa tttaatatca tcttggttga acaaagctt cagaataagt 60
gagcaattaa attcttaaag tagggacaga acaccaacag gctctagact ccggaaagagc 120
tctaancgca caaatggca ttgttttgc taacagttt agcttcaatg taaatatata 180
tttattactta gaatatttagc atctgaacta tataatgact attttatcat tttacttgaa 240
ttaaaaccag aatttctgga acttccaaat agtctttaaa gttttcaat ataaacataa 300
actaaccctt attcctctt acatatcaaa tgtgaaataa ctgtcacaat atatcagcat 360
tttcacagaa agatgtttaa g 381

<210> 419
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA195657

<400> 419
acaagtatct acaaaaatctt tataaattca catattttc tgaaaagtgtt caagcagtct 60
caatttactg ggacaaaaat gaacatttt gttcttagt aatgaagtca atgtacaatt 120
cagagcagggt gtccatagaa acaacttaggt ttgaaaaaac ttaagacaat tcacagttga 180
aatcaaacaa acactgtgaa tgtgttaaat acttgccata taacaacgct ttaacattga 240
tcttgctaaa taaggctatg attcataaga tgcatgtatt tccaaagctg ttaacattc 300
ttataaaatta attcacagga ttcaaataatgt tgcttttag cttcaactgg gtattagcaa 360
aaataataaca aaatgatccc cgtgcaagca c 391

<210> 420
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA196287

<220>
<221> unsure

<222> (1)..(476)

<223> n = a or c or g or t

<400> 420

atcatactta attcatgaat aaccccccata gtgttaggtta gttagcacta tcaaagtgac 60
tggtaaggac gcagggaaaat aaaaagagga ttcaattggg ttggtactgc aaaaagaatc 120
cattctgttc agcacatgaa tttctgttct gaccctaagt ttagatatat caaagaaaca 180
aaaagcatacg aggccggctgg ggggtggtggc tcacacctgt aatcccagca ctggggagg 240
ccaaggcagg cagatcacct gaggtcggga gttcgagacc agcctgacca acatggagaa 300
accctgtctc tactaaaaat acaaattag ccaggcatgg tggcgtatgc tgaaatccc 360
agctactcgagggctnag gcaggagaat tgcttgaacc cgggangcag aggttgcagt 420
gagccaagat tcacgccatt gcactctagc ctgggcaaca agagtggAAC tccatctcaa 480
aaaaa 485

<210> 421

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA196790

<400> 421

tttatgatt gtttcagttt tattttcctg tctcagtttc agtaaaagat tcagagaact 60
gattgacaca catcataagc tatcaccat ataccctaaa tatacactgt ttatgtcttt 120
tctttttcac ggaacaaggt gacactatct ttgttcaaac caaagtgaaa aggaagagat 180
acaataattt taaaaagagg ggtgtgtgt gtcttcact ctcagatagt gaatgtacgt 240
caccacaaca agggaaaaagc gctgaggaag aatgtgcaccc ccacaggtca gagagtcaag 300
caggaagtac cagtagagca cctccaaata tagcaaattt ggaacaacta ggcattactg 360
tggaaagaact tcctagttt tcatttgct gccaccacat tgctacattg gaatttaagc 420
cctcttcaca gtgccaatat caaaatgag 449

<210> 422

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA197311

<220>

<221> unsure

<222> (1)..(433)

<223> n = a or c or g or t

<400> 422

gacagcagtg cccaaagctgg catccgtcag nacntgtggg cctttgtgtt ttgatgctac 60
acatgtctat ggagggccac ttcttctgtt agtctgtggg gcctcagcat acccaatagg 120
cagcaagttt cagttttcc cagttgtatg tcctcatggt ggggctatgt ctccccccacc 180
acttcccctc tcatcaggct agactttaac atccatcaat catgtcttga gtctgctcc 240
ttcctcttggtt ctttagtcatg tgactacaga tcagatgcgt ggccttagtg ttttaggtgt 300
gcaggtacca tggcccaaaa tgctgttgc tctgactgag gaaaatgccn ctgtcctcng 360
gcgtcccnag ggnccgtagg tgnnagctga atnggcataat gtcttccact ctgttcagtg 420
tnnaacactg cca 433

<210> 423

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA199603

<220>
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

<400> 423
taaaattaat cgtgaacact tttcttggta aaaactcaaa tacagaggat aggcaggatg 60
tctccctgcc cccagttta cttcccgacc caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctctttt tcatttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattctt ttaaagctga 300
gtaatgttcc atagtgtggg cataataacct acacttgtgt atttccagta agcctttaca 360
gatactacta ccnttttcc tttaaaaatt aaaaggtata atattaataa aaattccccg 420
428
ggaatttg

<210> 424
<211> 905
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA203222

<220>
<221> unsure
<222> (1)..(905)
<223> n = a or c or g or t

<400> 424
atacactcag tgcagcctta agcaaatgag atcattttca gatttcattt ttttttcag 60
tctttctact ttgtataaa taggaagtta gtaggactca cttctctgtat taataagcaa 120
ttgcagcac acagcgttcc actgcggggt ttcacgcgtca cctgaaaaca cctgttccca 180
acctacttct tggtgcaagt tgaccaaattc gtttaagtg gtaactttt ccaaccgtag 240
cagggttgtt ttctgttaag caaagccgag atccagtgcata acacctggac tgtcaccgtc 300
ctgtgagtgg tgcatacacaat gggaaagataa taagccgtgg tggtttgtc tctgtctgt 360
tcacaagcat gaaaaaccgt gtgtcattga tcagcaccat tggtgtatg ttccgtatg 420
agcgtttagt gagcctgctg gtcgcagagc actatgaaat catggtaatg agtccccggc 480
acctgtcggtt attccatat cctcctgcaa ctgtggttt aaactgcgcata ttctctatgt 540
gtatataatcg tgcctgtctt caaaacatgt cccttttat actcattccc ccaggcatgg 600
ggtagtgcta gtcgactgac agggacacgg gttcagtggc ttggccctat ctggAACGCT 660
gcctgtacga tngtatgggt gctcaatccg tgcccttagc gtctacgagg ctaaacgggg 720
atggagttac cacncttagc gcggatgcat cnctgaaag gaaggacattt gtggaccggc 780
acggtaactgg atcacaagag gtgttattgt aatagagctt atgaaacgccc ccttgtataa 840
aagattgcgg ccttgtttgc ggtgggtggag gattcactgt ggcccttgcg agggtccct 900
905
tttta

<210> 425
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA204927

<220>
<221> unsure
<222> (1)..(559)
<223> n = a or c or g or t

<400> 425
tacaatgtgc attttattcc atatcattat ncaatgttta catatagtta anactctcaa 60
ganaacgtcc tttaccagtt gtatgtgggt tctaaatctt taacatgaag gactgaaaag 120
ggtgaaatc cacactgatt gttatcctac agattgtcat gagctgcacg tgtncaatca 180
ganaggaatg gaagtctcg aagagcagcg tggcttacag acccttggct tttagtgaatt 240
caggcatgcg ggatccatag tctcatctt taggtaaaac tcaagacaaa nataanttan 300
ntgttggaca gagttcntac attggtaaaaa tgntttaaca aaaagaccac caggggganc 360
cttttngttc aaagtnggcn ccaattccac acctgattgt ggtntccaac attnaacctt 420
cctgtttgnc tccancattt ggcgcctttt aaagggaaact tctcctgcnt tagntgaggg 480
attcccangn tnantaagcc cactggtngt ttgctaaann cncctacaan gtnttggcgg 540
catnaacccg gaaaaantgg 559

<210> 426

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA205724

<220>

<221> unsure

<222> (1)..(523)

<223> n = a or c or g or t

<400> 426

cccatgggt gacagcgttt attgaaagga aatcttgctt tatccagggaa ttcactcaca 60
tgaggtagc tgcaaggaga atgtctctt ctcatgacaa ccaaagcgac caaaccatac 120
cctaaagcgag agaccaatg gaataagtca acgggcattt tagaacgaca ctcagaagca 180
ggaaaaacca taaaagatac aggatgattt tctcttcagt attgcattt gccatgtatg 240
tgttttaca taaaatatat gttttcttt taagctagct aaagaaaata ctcttgatcg 300
ggtttagttc ttaaagcaaa aaacagaaga aaagtagtta tatataatan aattaaagaa 360
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttt ttccaggtaa 420
tcatggctc tgagagttag cacactgtca aagtcaactgg ggtgagatga gccgggactt 480
ggaaaaaccct ctcttaactt tcagtctcaa ctcctccac tcc 523

<210> 427

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA206023

<220>

<221> unsure

<222> (1)..(335)

<223> n = a or c or g or t

<400> 427

aacaacagct aacatttctt gagagcttac tgtgtgccag acagtgcggc aggcactaat 60
tacaacctca ttttgcggag acaaaaaagg aagggtccct gagagggggc tgccaagtgc 120
cacagtggaa agtggcgaa naggacata cccccacgca gtctatgtgg gggaaaccag 180
gtgcactgtc ctctctccac aatcttcctt gaccacgcat gcaaaagtgtg cnaatgcact 240
gtaaggatg gggccctgg ntgacaagag tgtggagnaa gggcctgggg ggaccatggc 300
ctgatggggg ggccactggg accaggacc ttttgc 335

<210> 428

<211> 409

<212> DNA

<213> Homo sapiens

<220>
<223> Genbank Accession No. AA206914

<220>
<221> unsure
<222> (1)...(409)
<223> n = a or c or g or t

<400> 428
tccaagccgc ctggccttgg gtgctttgtc ttggcagcca tagcagatga atgcactggc 60
gtttggtaaa aaactggcg gctttgagggt agtgagtcaa gtgcattggg aggaaaggcc 120
ctctgcataat gntccagggt ggtggcctga gnaagcgtgt gcccaccaca cagcacccgtg 180
agagaagccg gccagctgga gcagtgcacg gcacgtgagt gangtgggag atgaggtcag 240
agagatgggg ggcacaccttgg ctttgaccct gagtgagaag ggctcacccgg aagagttgca 300
agcagatgggg gggatggact tctggccttt atgttcttta ganggtccct ccggagcctg 360
tgntttacccat cattaaaggg gcccagggt aaaaagttta aaaggccna 409

<210> 429
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA207103

<400> 429
acgatagtttta cttttgttat gtatTTTacc acaatTTta aaaagcaaac caaaaccaac 60
caagagtgtc tccccccacac ctcaaaatca tcctgcagca gctccctggc ccagctctct 120
ctcaccctgtc ccctggggcc ctctcccacc accccagggt agccctgtgg accaaccatc 180
tctgccagcc cctcccccac cctccagcca gggaggtggg gcgctggccg gtgaatgggg 240
caggcccaggc cccaaaggctg gccaagggtt caccagctct ggactggccg tccctgtctga 300
ggtggggatg accaacatgc cagctctggg ttttagcttgg aggatggccca cattcaagca 360
ctgacagccca gcaagcttgg gcacaggccg atgcttaacc tttaaaaaat cgggtta 416

<210> 430
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA207123

<220>
<221> unsure
<222> (1)...(413)
<223> n = a or c or g or t

<400> 430
agaaaagttaaa aaacgtttgg gtatTTTtg atccatgggt ggcattttca aatgtcaaa 60
aacaaaagtct tggaagagat tccttgtcac tagaaagtcc gcccTTTcTT ttgctgtcag 120
ttgtacgtaa gagaatttcg tccacattaa ggaatccaaa aagggttaaac taaagggtt 180
taaaaaagagt acattacaaa gaataagaag ccctgtaaaca tctatctgag aataactagat 240
aaatctgtga gtagatgtgg cacctggagc tactcactac attactaaaa acaganacaa 300
gaaaatctata atggcaggat cacaacattt ggcggccaaa taggctaacc caaccaaaga 360
ctggccaccgg agaggccagt nctgtctctg tgactggact ggggaacttg gga 413

<210> 431
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA210850

<400> 431
tttttttt tgctgatcta gacttattaa atttatttca tgcattgtg gtcactttta 60
cagctgttta gacttattt caatcacatt actcttcaca gaattcacag aattcattaa 120
ctaaactagta tgttacatcc aagggttctt agtagcacat taaaatagaa aagaggccca 180
cgagttgttgc ttgtgtgtg gaacctgagt ctgattactt agacagatgt ctagaacatt 240
attgctttat taggcattttt tttaaaata ataaattttt cctagggaaac ccaccctgcc 300
agggtctcat tctgcgactg ctgtgggttc actcagaaca tacctgactg gtgggtgctg 360
aatgaacctc ccaccatgt accctgctgc tccggacgct ctgagggcta gagcaatgcc 420
cctccatggc gtgtaaacat tttctacag 449

<210> 432
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211370

<220>
<221> unsure
<222> (1)..(393)
<223> n = a or c or g or t

<400> 432
tttttttt tcctgagtag atctcacctc tttttttt ctgccttgt ctgcctccta 60
ccaccacttc tcaaagcaaa tgggttctt gggtacatgg ttgtttcca gttgcttgg 120
gaaaaagtct gtcattggag gtggccaca aatatagaac aaagtctttt ttgaaatatg 180
atctttatc tccttctccg ttattttcc ttccgtatg tatggcttga gttccgcatt 240
gatttggta gtctgtttt taacatgcaa actgcattgca atcttctcag gaaatttattt 300
tactaaatca aggatatttt tcttaaacag gagttccgct gggttttttt tgcactgttag 360
aatagtttta attgttccna tccccatatac cat 393

<210> 433
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211388

<400> 433
ttttttttttt tttccctgcaa tatttattaa ggaatttaca catacacagg 60
agaaaaggcag ccaggaactg tgggtccaca catggaaatct ttaagcaaa gttttcttgt 120
ctgaattttc aagtgggtg aacaatgact gagagggaaag ctgtcccggc cctctgcctc 180
gtacacctgg gaacgtggg gaaacagagc accctggata cacaggcatg aaagagtgtat 240
cagcagaccc ggagaaggaa agggagaaag ggagttatca atgacatggc gttttttaaa 300
ccataagaaa aacacaacag ttttaggctg ctgataaattt aatttcctctc tggtgtaaac 360
ctaaaaactaa acaaaaacaa aaatacccg agcagatggg gagagggt 408

<210> 434
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211418

<220>
<221> unsure
<222> (1)..(458)
<223> n = a or c or g or t

<400> 434
tgtcagagga ttgaggcaaa tcctacctcg gggaggagga gctttcttag cgacaggaac 60
tggcactgca actttctcct ctgggacggg tttcttaggc agactggcac ttttagagaca 120
ttatgcactt ttagaaattt aatgtgtatc cattgaancc cagtgcacaaa caaagaaata 180
caccacacgt gcactcatat cacaacta acaaaaatcac tggaacataa agacagttct 240
tggyaagatg gagaaacaat acctttggt ggtggggaa cttcttcctc cttccgagga 300
acaggtttcc tttcttcagg aactttcttc tttgttattt cttggcacattt aaaaggatag 360
tattgaaattt ttaaaatttgc taaaagg gccanattaa atggaggcac atagaagtgg 420
ccattaaaga agacatgcca tttaaagang gcttgaag 458

<210> 435
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211483

<220>
<221> unsure
<222> (1)..(491)
<223> n = a or c or g or t

<400> 435
ttttttttttttt gaaac aggagtgc ttatggctga gtggagtgtt tggaggagt 60
gcctccggc tcctgccttc gggctcacct gagcggggc gcantgaggc cactgtggga 120
aacacaaccc ccactcccag gagaggcctc acatgctgcc ttcggtctcg ccagccttct 180
agcgtggggc ctggcgccc ttttaggtgag tctgcacacc cgtgttcagg gctccggcc 240
ggaagcggaa ccataggcat gtcggccccc cagatgagcg cggagggcaa gcaggtgccc 300
gggnagcgcac cacccacag ccaagcggcc cctgcccagc ctctntaaac agaccctcac 360
agttccctcc tgggcctcag tcacatccccctt nagaanact ggccgctctg cccgagangc 420
cagggtntcc accgagcctg gctgaagcag ctgtcccctc cttnttgca gagaggctca 480
aatgggcctg a 491

<210> 436
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA211851

<220>
<221> unsure
<222> (1)..(177)
<223> n = a or c or g or t

<400> 436
ttatTTTaa aaaagacttt attctctaga caagacaatg aaacccatct tccttgata 60
gagggcaagg aaagttgca taaacgcaga atgttcagc agctttgggt tcactccatg 120
gctcattttc ttcttagcaa tcagnatgg tgaacttggaa ggacccaaaa gncattt 177

<210> 437
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA213696

<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

<400> 437
ttttttttt cttttaggca cttttttattt tccaaaaaaaa aattgtcggtt aatataaaaa 60
catctcattc tctcaaaaaaaaa ttctacaact atacagctgt ttgctccatt atttgcatag 120
gaaatgacca caatacaaaaaaaa ataagaggga aaaagaagca aaacagcaac cgatttctgc 180
ttttcatgtta ggtgtgtttc cacgtataaaa catttgaag cctcttacaa aattattttac 240
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<211> 514
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA214542

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ttttcctta aaactgtatgt gacacaacag gtttgaagct gcctctctt gggaaagttga 420
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aaatccatat ctctctcccc tctctcttgc cacc 514

<210> 439
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215299

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

<400> 439
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ggacttggctt gctgctccca ccgcagtacc gcctccttgg aacgaaagcat tttccctttt 420
gtaaaaggtt tgaatttttgc ttttccttaaa taataanttgc aaaccttcaa aaaaa 475

<210> 440
<211> 477

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215379

<220>
<221> unsure
<222> (1)..(477)
<223> n = a or c or g or t

<400> 440
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agaccatgac taaaagaata ttaacaccaa gatgctcctt ccatcagctg gatgtacctt 360
tgggcttgg aagatggcaa gtataggagt tgtactggaa cggctggatc aaataggttg 420
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<210> 441
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<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215468

<220>
<221> unsure
<222> (1)..(278)
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tcccccaactt tcggggctg gggataaaaa aaaagnca 278

<210> 442
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA215585

<400> 442
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<210> 443
<211> 420
<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA215919

<400> 443

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<210> 444

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218663

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gtgttgtttt	cccatcaaat	ggtcatactac	ccgggactgg	gcatctcta	ctattaaaaa	240
ggctccacat	acttcacaaa	cttccatgg	tttttcttg	gcagcaaagc	tttcaattgt	300
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<210> 445

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA218727

<400> 445

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<210> 446

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA219039

<400> 446

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catagaaagc acccaaactt gtacttgct tgggtccctc tgggtccccg aattgttata 240
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cacagaacca gcaggaactc ttagcagtcc ccatgatgtg gacaaaagc aggaccaact 360
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<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA219304

<220>
<221> unsure
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<210> 448
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA219653

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tatactcatt ttgtttcca tcacagtagg agcatagcat acaaagtgtat tggttcagtg 180
gcctatggc aagccagggg agagaccaca gaagagaatg tagggcattt agtacagtgg 240
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<210> 449
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA223335

<220>
<221> unsure
<222> (1)..(376)
<223> n = a or c or g or t

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<210> 450
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA223902

<220>
<221> unsure
<222> (1)..(495)
<223> n = a or c or g or t

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<211> 511
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA224502

<220>
<221> unsure
<222> (1)..(511)
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<210> 452
<211> 309
<212> DNA
<213> Homo sapiens

<220>
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<400> 452

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<210> 453
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<212> DNA
<213> Homo sapiens

<220>
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aaaacctgtt caggtcttgt tgagtgt 267

<210> 454
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA227145

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acaagacatt ttgagttcg ttaactccaa atcctcaagt ggggaaaaaaa acttagaggt 180
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<212> DNA
<213> Homo sapiens

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<210> 456
<211> 402
<212> DNA
<213> Homo sapiens

<220>
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<212> DNA
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<210> 458
<211> 343
<212> DNA
<213> Homo sapiens

<220>
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<212> DNA
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390

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<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA227926

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tccatacacaagc tcaagagttt ccataagatg aaaacaaaca cacttacttc 240
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA227968

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA228119

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<211> 394

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA232114

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA232508

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<212> DNA

<213> Homo sapiens

<220>

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aggtacacca agtaccaggc tccttgta 388

<210> 467

<211> 326

<212> DNA

<213> Homo sapiens

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gtttcttagt tgcccttaaa gactgttaga caagaaaagc attcaactggc taataatcca 180
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<211> 188

<212> DNA

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<210> 470

<211> 387

<212> DNA

<213> Homo sapiens

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<211> 382

<212> DNA

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<212> DNA

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tcacccgattt aaatcagaat gttgctaaag acttatgttc ctatttcaac agagcagtgc 180
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<212> DNA

<213> Homo sapiens

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cggtcaggat ccctggctcg cgtccccaaac cggttccgtg ttcacctgg gtcctgcagg 300
cggtccactgg aggaagccgg atggctgggc ttggcttttcc aggaaggctg gctggcaccgg 360
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catttcagtc taacattttt cttggat aaatatttgt caacaatctg taaatagtat 240
aaatgctttt ctcaaaaatgc tacgtgaaag aagccaggca caatagatta cacattgc 300
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<212> DNA
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aatgagtttggctgatttttaacaggatctccacaataggctgtgttttgtgaggact 360
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ggaaagcta cgaactagct gcccatctt aacagctgtt caataacttg aataaaaaat 180
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acagtaatag ctataaaagg cacaacttcc cttttctgtat atacacttgtt aaactttttt 300
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ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240
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aagtataacaa atggcaagat ttggagatga tctgtttctt cacatgagga caaataacag 360
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tttctcaact ctgctacaaa cagtgacatc ccagtagcaa caagcacatc taattgccc 240
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cagagtcaac atagaattaa attgtattt gtaaaataca cacattggag gacaagagca 480
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<212> DNA

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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA

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<211> 353

<212> DNA

<213> Homo sapiens

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<210> 514

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<212> DNA

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<212> DNA
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actcagaagc acaaatttaa ctgaagttag aaaccaggcc attttgtagc ttcagttttt 240
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<212> DNA
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tgttacagct tttatattat ttgatttg 268

<210> 532
<211> 391
<212> DNA
<213> Homo sapiens

<220>
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tggatattgc ttccaggtaa ttagttaaa caaacaaca aaaacttggaa actattttt 180
atctccaaga aaacaacgta gagttgaggt attctatttta acagatgtga tctccatcca 240
ataagggtctc tctgttaatt aacagccttg tgacatgctg ttccaaatctt ttcctcctaa 300
agtagaattt catttgagca tatgttcata aaactgacag tgttccttaa taatcactaa 360
ggttgccata gaaactccctt ggtgctggc c 391

<210> 533
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA247453

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tgcagttctt ccacagttca gcaaacaagt gctagcttca ctgaccaaaa attaaggaaag 120
gaaaacacag tttttaaaac gatccatctt ttaacagccg aaaccgatgt gtctatgtg 180
ctgcacccctg ctgttgtact tctgaaatca gacgtgtgtg aacgatcatt tctgacttaa 240
ccgtgagatg ctcacgagta ccottcctgt tgtttgtta gcattgaaat cgagactatt 300
tatTTGGAAT atataacaaca gtgttttcc actgtatttc atttgcaaaa gttgagaact 360
gc
362
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<210> 534  
<211> 411  
<212> DNA  
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA248283

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aaaactcaac tcctatggca attatgaact ccattttacc aagaacattt aagtgcctca 120  
gcacatctgtat gatatagtgg agcagggtgct gacataggtt ccagctgaca tgatgtgtca 180  
ctagctctgt gggatgattt ccacatacat ggaacacactg ggagtgtctgg aaatgtactg 240  
ggatcgaagt gacaaagtgt gttttcattt acagtgagg ctacatcaag caaggggagg 300  
tccagccctc ttgcaagtgt ggtgagagggc tctactagtc aagacatggg caccggagta 360  
qgtcccgtgt agcatgcggg ttctgttaggg aaaattcagt gacgtacatg g 411
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<210> 535
<211> 283
<212> DNA
<213> Homo sapiens

<220>
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gttttttta agggatgagt ggatgagagg agtaataggg aacagctatc ctctcttgag 120
aaggggagga taagtagggt cgaaacctca aagccttcca gtcccagcac ctgccttct 180
cactacttct ctggagatgg taggagagtt tctaggtctt tcagggcagc atgtgattca 240
tttqqqatq qaggatctct ccccatcgga taaaattatat caa 283

<210> 536
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA250744

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cgtgacacga gtgcgttccc ctgctccaca ctcactgaa ctcacttgc ccaatgccac 180
tatcaaggtc ttgcaaaaaa tctggttttc ttttgtctgg aaagggctgg ttttctctc 240
tgaaactgaa ccccaactgt tggccctatt taaatctca gtcctggatt tcctacttac 300
ataagcaggg gcttaggtaa tagatgggt tgcctgtg gacgcctcca atcagcttc 360
aacctcctct gttggcaggg cccggcagc acacggccac agcgttcctt cctctcaagg 420
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ctgcttgccct cctccgagaa gaa 503
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<210> 537

<211> 460
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA250775

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tagatgtaac accatTTTA cacgtatgtt gcaacatcg agatgcttgt tttctttaaa 120
aacatcagag ctgaattcct tcataaaatac aacaacaaca acaacaacaa aataagtaca 180
cttggcacct tgaaaaatgc tgaaatgcta tcatgaatgc tggtatatt gttatgagcc 240
aacagaaaaat tacctttaat ataaactata acttactgtat gtgattgttc ttccatgtta 300
atctatacat aatcaaagtg agtgatttct catgttttagc aaattgttct ttaggtaatg 360
aaaaaacagta ttctcattag aaaaacacaa aaatccaaaa gatttacgc agcaaacgtt 420
ctgttattttt aaattttgaa gttacttttga aataaagtc 460

<210> 538
<211> 410
<212> DNA
<213> Homo sapiens

<220>
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<400> 538
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tccctccccac tgcgtccctc aggcaataga tgattggcta tttctttacc tcctgtttt 180
gcctaattag catttttagt agctctctga ttgggtgggt gtgagctaag ttgcaagccc 240
cgtgtttaaa ggtggatgcg gtcacccccc cagctaggtt tagggattct taatcggct 300
agaaaatcca gctagtcctg tctctcagtc ccctctctca acaggaaaaac ccaagtgcg 360
ttggtgaggt tggctgatga ccactctaact tgcttcctgc tgaactgggg 410

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<211> 464
<212> DNA
<213> Homo sapiens

<220>
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<400> 539
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agagggAACC tgccctcctg gccctggaaag ggcggacccc caaccctaa cccaggacac 120
agctggcaccc tcagggccct ttccctctga aaggagggt gtgtctctcacattcaca 180
catacacaga cacatgcacat tgcgtccact catggcacat gggacccat gggtagccctg 240
tttgccgatc ccccaagag gtaccaggag gcagaccgct agaaggagat aagaggcacc 300
ctggtctccct ccaacccaag gaggaagaaa gctcaacccc tctaggatag ggactgtctt 360
cagtcaatgg agcgtgact tagggggcgt ttttgaaggt tttttttctt ccttttgca 420
gtctttacaa aaatagaact tcttttgta tttataaattc tacg 464

<210> 540
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA251230

<400> 540

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cctggatggt cctgaggccc aaaccctgccc tctcagctgc ctcctgcctt acaaactgg 180
gactgctctc atccagcttc tgatctgttt cattaaagat gattaaaata ctcccctccc 240
caattcgctt aaaaataatt ttcaaagatt aaaaatttca tttgtgtgtg tgtgtttttt 300
taaataagaa cttaaatgt gggatatctc cttctcccc taggtcca 348

<210> 541
<211> 256
<212> DNA
<213> Homo sapiens

<220>
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<400> 541
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tttagacgcag gtgcaggcct ccattccatc tattggctgg ctctcgactg ccgagactgg 120
cctgccaacc tagtgtttca ggagggcacg cgtctgcggc tgaaccgcgg aagggccgt 180
gaggaaccgg gcctcggcga gatggccctg acgcgcccga cactgctgcc gctgctgctg 240
ctactactgc cgctcc 256

<210> 542
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA251428

<400> 542
ttttttttt ttttttttg cacaataaaat actcgccagt ttcatttata taaaagaatc 60
catttgaatg tcagctcaac acagcctcct ataccgaggg attgtgaacc gcacatcccc 120
agtttctcca ggctttcca agaatcaggc acactgttagc ctgttggctc cagtgttatga 180
cagacacgga ggaagcacat cttagctga tacttaaaca gagaccctga ggcacatac 240
acc 243

<210> 543
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA251766

<400> 543
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gagaaaatgg tcagaagcac aacatataag gttagaatt taaaagcatc ttacattctg 120
ccctaattggc agcataatta atagcaacaa acggccgtct tgctgcctgc cgcacccgg 180
gtatTTTgc agacctgacg agcaaatttt gtgaaatatg tagtatgaag gaagaaagct 240
tggcgggtct tcactgcaga cttagactc ccagtgtttc ggactggcat tccctgcattg 300
gcctggcggg acacgtgact tctaacacga gggcctctg tagttggctt aggagataac 360
ttctcttctt ctgactgggt gggcattttc aacctccaa attttccca taaagccaac 420
aaattgcaca tatcc 436

<210> 544
<211> 372
<212> DNA
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 544

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tgtcccagta atgcacaactt ggaggtgaag ggctgactgg ggcagctgag aagtgggacc 180
ttctgttgg caggcttcct ctcccttgcg tggtcatggt tttctggta gaagagtgtt 240
cctggccttg ctggagggttc ccatggcccc gaactaacag ttttttctg aaatttcgac 300
ctgctccgtt tgagagagta gaattccctc atcaagtccct ccaccccca ctgctttcc 360
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<210> 545

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251776

<400> 545

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cacctgggcc agcaaacagt gtgaaactga caaaactcca agggggaaac atctagcaaa 120
taaatcaaaa agccaaagat cattgctgtt gatattagca tactagaaac ccttaatatg 180
ctgctactat gatttggttt aaattattgt ttagtcatat attaaagagc cagctgatgc 240
tcttacagtt aaaaaaactg ttagccaca ttactgtttt caacgtccctg tgtgaaagt 300
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<210> 546

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251792

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aaagcttttc atcaagaata aacacaaaaat ctaaacaatt ctgcaatcat gcattttac 120
agaaagtaca aatatgaata cattataatt tgtaactgca tttaaaaatt aaaatatttc 180
tctccaaatc caaaacacca cacaatctt atctgttctc atcttggtaac cttagaaaca 240
tttgcataat gctatcgaa aatataggc aagacttact aatcagttat tcatgatcaa 300
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<210> 547

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251837

<400> 547

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gatttgaaca aaccatgagc agacagctaa ctacatgtta tgtttctttt agtagttta 180
gggtctgcc agtaatcaag aaattttact tctccagaat acatgaacat gggAACAAA 240
gaaatgtaaa tatttcgaaa aagcactaca caataaaaatg agacgcaatc cttatgcagg 300
tcaagatgtt ctccacatct acaatgtgca ttaacaaaat taatgcagat aagacccctca 360
ctccaacccc aaagatctta catggtaat actatTTCC aaaatcagca gaacaagctg 420
cagttac 427

<210> 548
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA251845

<400> 548
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tctgtcccat tgtacttatt ttaaagaggt attttagtag aaaaggtgta gggagtggat 120
tctgtgatta gtaggtgatt gatagaaaga aaaggaaggg ctggaaaatc ctcgggcatg 180
ggcagttacc tcttcatgcc tcctcatggg tcccatgtgc aaactcagag ggagtttagta 240
tggaaacatgc ggtacaaaatt taggctgtgt gt 272

<210> 549
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA251909

<400> 549
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ggtgatcata agagaacatt ttacaaatta caaatggaa aagtacaggg aaaagtagag 120
acaaaatgggt taaataacaa ggtaaccatt tgtaatgagt ctgtttagaa taaaatagtt 180
cttcacaaaaa gttagacaag gccatgagta agtataatcac tgtataaaaa atatcagtga 240
cgtaaaaata tacctgtacc aaaaagtaga acagcaatgg tagtgcattt aaatgtgtcc 300
taaattaaat tacagcacat acagttcag tgttccacaa tacaaccatt gctctgagge 360
agcaatctgt gagact 376

<210> 550
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252060

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tatgaaaccca tgccatttac tcttagggaa caaaagcatt caaaaattaat ttggtattaa 180
agttcaagat tcagactaac ctcaaagtagc ggcattgtca gtgttaagt gcaagaagta 240
tttcatttcc aattattttt cagagatgct ggagtgacgt gtgcattt aaatattcaa 300
atcccttaag gtttctgaac taagtgtta aatgaaaact gaaatgctgc atagttcag 360
tggcttcaa tttcctgttt gatctcagaa atatatg 397

<210> 551
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252147

<400> 551
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tacaataccca ttacagagaa ccctgttttata tattttcac agaaaatagcc agtttgctc 120
cagtgtgata gatgaggaga gaaacgaatt tcaatgtcat ctgtgttgag tctcgctgac 180

aactagaacc tcctttggcg tcagacgcac accaatgcta acattagccc tgccccaggg 240
agtttaggaat ttgtgctcca gtccttgggt tcacacttgc accctgtttg acataaaatac 300
tttaaatgac atacaatgta tgtagtttg tgcttattac tttttaaaat aataaataat 360
at 362

<210> 552
<211> 471
<212> DNA
<213> *Homo sapiens*

<220>
<223> Genbank Accession No. AA252289

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aagctagtgc caaatgtgcc ccattggcca ctgaccctaa agatgtgtga cccagaggcc 180
atgaaggagc cacgttaacc catggccggt gtcatcctt tccgttttag gactagtgga 240
ttttgggcac tggagccacc tctttggcaa acagcttgag ggagaaaatca agggctgggg 300
cgccctgggt cagcatcccc aatggagatg acgtctatgt gcggcccgca gaactcgggg 360
gaggttgtcc agggtgatgc ccccactggc ttccacagcc acactcggga actgggcctt 420
caqcacggtg gccgtgggggt gcagctcetc tggcttgaag ttgtccagca g 471
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<212> DNA  
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA252355

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<220>
<221> unsure
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<223> n = a or c or g or t
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tggtgctgat aagaaaagaag ttgcgttgc gtttaacaat gattaccttggaaaattatgt 180
gtttttctc actggtagaa tactcacatt taagtagaca ttgtatgaat gtgcataattt 240
attgataaga ctccacacaaag gactcctaattccatagatt atgcggggag gatcatgtat 300
caaacatcct tctcccttat gaaggggcat ggcagaaaaat gaaggcttattgtgactaaaa 360
ggaagctctg cgangattaa caacatataa ctataacctt gtctccaagg gagatctaag 420
agtgccttca caagaatctg agagactgta ataggatatg aagagaacag ctgaggaccc 480
tcatttttat ttatattttt atattttta 507

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<210> 554  
<211> 389  
<212> DNA  
<213> Homo sapiens
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<220>
<223> Genbank Accession No. AA252365

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<400> 554
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tgcaccccta ataacaatgc tctccagaa ccggatggg gggcggtgag gtgggggttgg 180
tgggggagta cgtttctgag ctagttaaag tcactgagga gggcccatac ctcaatgtgt 240
qttqagttac aatttagaaat tagtcatgga aggacatgtc taccacagat atcttcctc 300
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acattnaat tattccattt ctccctacag tcctccttct atcttagtt ccatttaaa 360
taacccttca tcctacatac ccatttatac 389

<210> 555
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252524

<400> 555
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gaaagcaaatac tacctgcaaa ctaacactgg atgacaagg tcaccagaag tgcttggaa 180
acatgattat gttataaaaaa gacttggcaa atccaacagc atacagtgcactgaaacct 240
tcccccaagga tctgagaagt cttgccatg gaatccctgg acatcaagag ccaggcgagg 300
agcagtttcc gatctgctga gattctgctc cgccctt 336

<210> 556
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252627

<400> 556
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cagtgcattt tttttttttt actgtatatta taatttcaga acttccgaat ttcaacagat 180
gccagtgttc tctccctttt tcacatggaa aaattccctt gaaactcatt tgaagcttgg 240
acaaaaatttcc cacagctgta ttcttcagga tcactttgca gagtcattcaa gactcagata 300
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<210> 557
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA252994

<400> 557
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agccctgccc acagcacagg ctcacagaag ccg 153

<210> 558
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253011

<400> 558
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aaaaatattttt tagttttttt ttcacatcatat atgtacact 169

<210> 559
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253043

<400> 559
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cattctaaac taaaaataga aatttttata ttacaaaacg tagaagtaaa attttaaaaa 180
gtttaaggatc tagcacatat atgtgttagg aaaatggct ctgtcaattt cccattttcc 240
caattaaatt aacctacat ttcccttttt taacagctta ttttttcat aaaagttgt 300
ctttgagaag ttactttcta attacgtcat gagaacaccaa cttgtatt 349

<210> 560
<211> 406
<212> DNA
<213> Homo sapiens

<220>
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cagagtgcct cagttagggg aacttctctg taaagaaccc tgggtattga gcaaaaacct 180
tattatcggt aatgacccat aatttggaaagc ttccctgcctt tttctttgtt tgctccctgt 240
gaaaatactg aaaagattac tttgttttat tttgtgtct ttttataaaaa ggggaggtgg 300
agagaccctt tcagagcagg gattgtgccg ggagagtgcc tctgactttt ggacatttca 360
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<210> 561
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253216

<400> 561
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cactgagcag agaagcttga agaacgggaa tcctctcctg tgggcagggg agccccagct 180
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ggtgtgtgg ccgcagccacc aggaccccgcg ctgaaggccc agagacctgg caggccggaa 300
gaaattcctt tcctttggaa agaaccacca acgctcagtc caagctcaca cggttatcta 360
gtcggcaatg cttccctgc cctgc 385

<210> 562
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253330

<400> 562
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tagcaaaaac aaggcccagg ctggggcagg ggcagtagtg tgaaggccct ggattctcac 120

tcatgtgaga tcttgaatct ctttctttgt tctgtttgtt tagtttagtat catctggtaa 180
aatagttaaa aaacaacaaa aaactctgta tctgtttcta gcatgtgctg cattgactct 240
attaatcaca tttcaaattc accctacatt cctctccctc tcactagcct ctctgaaggt 300
gtcctggcca gccctggaga agcactggtg tctgcagcac ccctcagttc ctgtgcctca 360
gcccacaggc cactgt 376

<210> 563
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253369

<400> 563
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accccttggctt ggctctgcat gtggatccaa atcaagcctg ggtgtgtctg acaataaccag 180
ggcacgggtt gcttcccgcc cctccatctc tactgtttgg ctacagcttg agttcaactag 240
gcatcggctc ccctctcagg ccagccagca agttgttagc tgccaaacaag gacatgggt 300
tgcgggttct gtgggtggca ctgccaatgt ggggcagaat cacacagttc ttcagggtca 360
ggagagggtt gttttaggc agtggttctg ggctcgtcac atccagtcca gcagctgcaa 420
tcttaccact gggcaaggcc tggtagcaggc cgtc 454

<210> 564
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253410

<400> 564
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aacatctgaa gtgaattat aaagatggct tgatttctac attagagaat cccagcttgc 120
tcaatgagga aaatgttcat ttaaaaggcc ccccttatacg acatttgcct tttgacgtca 180
gcactccccca tagagcacac ccagatctaa atggatttcc actaagaaag tctgtttaag 240
aaacttcatc atgatgttta gcctgtccca gaattcatttgc ttctcaggaa atgacttgag 300
agcaaagaaa aggaacatcc agtggaggcaa gagacagcat ctcccgatg ctggaaagtt 360
acacatttttgc tccttccttc ctttgtccca acagttatttgc 403

<210> 565
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253455

<400> 565
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tgtcaaaagc gtgaatgcct gtgggtgttaac gtggaaagttat gctgtgttgc aaagacgttag 120
tcctttcttc ctccagttatg cacgcggcac ctgccacacc tgctgcaagg acctggctt 180
gccccctagcc catctgctac gccaaggaga cccaggttctt tccagtttctt accaggccct 240
ttaatgctct atcctgtggc ccaccgtgtt gcagggactc cagcagctga tggat 294

<210> 566
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253459

<400> 566
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atctctctat taacaggatt tgtttacaca attatattac acttcaccaa cctttatact 120
gcatttcatt aaataaaaaa tacatttaca aaaagagtct accatgggt tccttcacaa 180
tgccagctta aggtctttta aaacttcctc ttctacatat ttatagtgt tacatcttga 240
ttatatcaac attatgagtt ttatgagtt attttctaataa caaagagaat agtgcagcc 300
tggggggtag ggccggcatg gggctggagg gagtcagc 318

<210> 567
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA253473

<400> 567
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ttcacagaaa ttagggccat ttccatagtt atggggagg acgtgtgagc aggatgggag 120
gtgctcagct gactgtcctc tccagaaggc tcttctgagc tgagcaggag accccaggc 180
cacagccgag ccccaaccta gacacggtct gagctccaac cttggctggc tataacttcaa 240
ggcgccggtag ggccggcatg gggctggagg gagtcagc 278

<210> 568
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255486

<400> 568
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tgggttttga ggaaaatatac atgtttagg ttggccaaaa aggagatagc agtccagctg 120
aaattttttt tcttataactg gctttaaggc agtgattaga aaaggcctaa gaggtgggtt 180
ctgttaaggga ttgcttggaaag gaaagttagga atatggaaag tcatgagaca tataactgtca 240
tctcttcttg ctccctctca agtcacatgc aaattcaggag agagtttagta taaaacacac 300
aatggaaatt tgggc 315

<210> 569
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255546

<400> 569
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gttctcttaa tgaacagatg acttttttagc cctgtttttt tcaatggggaa aaacaatgac 120
aaaaaaaaaca aaccccaggc aggcacgaca cttatgtaaa atgaacacag ttagtacaaa 180
accagtaagg catcaacttgc ggaagggtcag caccgaagag gtcaggcaag gctcgtccag 240
acggggcttc tggggaggag tgaccctcacttgc ctttatttgc ctgcgtcatg ttgttctga 300
gaaaaagtgc agtcttttgc agggtgaccg catcacccca ccggaaagctg gggcgccggac 360
gctggagggtg ttgggtgtgtc ttctaaaccc ttcaagacga gaag 404

<210> 570
<211> 396

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255566

<400> 570
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caacttagaat agttacatgt tcccaaacta tttttcttct gtctgccatg ctggcttctg 120
tatcccattgg tccactgtaa ttctttggtc ttctttttt gcagtagc agtcctcggt 180
ctgctatcca tttagtaggt aaaccaccaa ttcataggtg gccatcataa tggctgtgtt 240
tggaatctgt ctcactagat gagttgttag accacgataa agagacccat aacttcttc 300
ttgaacaagg aaagatagag tctaaaaaaa agatctgtat ttgtccctt cttcacgtag 360
tcttgttctt acaacttcat gtggatatgc tatagt 396

<210> 571
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255624

<400> 571
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acggaggccg aaggggccct gcggcgcacga cgctcgac gtgggtggc cgtgggagct 120
gagcacggag aagactccct ctctcgaaag ccggatcccg agccgggcag gatggatcac 180
caccagccgg ggactggcg ctaccaggtg cttcttaatg aagaggataa ctcagaatca 240
tcgggggggt tttttttt tacttcaaac ccagcaccgc agattgtgca ggctgcgtct 300
302
tc

<210> 572
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255878

<400> 572
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aatactttttt cttaaacaac acaaagttt cttaaaaaaa tgttacagga gaattttttt 120
catcggttct taatacagta caatcctttt gttgaacaaa agtcacactg gcaatgatta 180
tttacagatc caaaatagac tcaggctca gacataaaaa atttaacatt catctagttc 240
agtgattagt cacagaaaatt aaacatctgc ccagatgtac acaattttgtt aaaaactaca 300
gettctctcc acggggagcc cagagccctg gccgatccgc gctccgcgtcc cgaggacttc 360
371
cagggaggggg c

<210> 573
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA255903

<400> 573
ctctttttt caggggaggt ggggtgcagat aagggtggc agggcactgt atagggagga 60
aaaaaataact gatattgtat ggtcttggga ttgcaataag tcagtttacc attaagagg 120
aaaatttaaa tattcagtgg aatgaggcac tcaaagggtt gaaaatgcgtt ttttcttgg 180
tttccagggta cctgtccctg gtctctcact ccaaggttaa gttccaaaac tatactttt 240

ggctcacagg gctctctgtg atgctctggt gccagctgtg tactcttgag tggtagcca 300
 gcagttcaca ttagatgtgt aaaattaatt aaacctaata ctctaggctc aagtccagga 360
 tgtccccaga ctagttcaga aactaagtgc tctctcctcc ccttaaa 407

<210> 574
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA256131

<400> 574
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 tggggtcctt ggggagtctc tgcctcagcc cggacaggca gatctcaattt ccagaagagc 120
 acattccaga aaagcagcca gcagggtag agggccaggg acagcagtgg gaagagcag 179

<210> 575
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA256171

<400> 575
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 gaaaatatac agcaacttgg ggcttataac acatgagcaa agatgacatt aacacgtgca 120
 ctgttcacat cttgggtct agaggtcaag aacaaagatc acagacaaga cgtaactaaa 180
 cggacccttg cagtaggtcc cgaattgcag aatcatccaa ttccagcatg gtcagcacgg 240
 agatattcac agaaagaaac ccagcaaagt cctctctgag ccgttagt caacaagctt 300
 ttcatacaca ctatggagag cccacgcccc acataaccct tgagaacacaca gttccatgtc 360
 ttggctaaca cggctctcac cgctggcctc aacaccctg ggccatgctc cctctgtct 420
 tccatccccca ccacaa 436

<210> 576
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA256268

<400> 576
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 atcctacgtg atataagtat atatacaaag aaaaaaacaat cattggataa ttacacagct 120
 tgaaggttt caaaggttat ttgtgtctt gtttattctg cactaatga cacatcagac 180
 gcattgagta tatttcataa gttgttact agcaaagata caatcattag taacccaagt 240
 cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaat 300
 taaaattggc aactatgata aatacctca aaaggatgta gatgtatgg agatgtttaa 360
 aagtttagtt tcattaaatg taaaatttagc atgttatatt tactcaatat 410

<210> 577
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <223> Genbank Accession No. AA256273

<400> 577

cacattgtca gatcatttat ttcagcgcaag ttacacccag cagagggca caggctaaa 60
cgccggcata ttagtttcc cgacgcgcaag ccctgcattgg cggtggctg gggagccggg 120
gcgggtgcgat tctgccacac gccacgctct actaggcccc ctactcccta attaattgcc 180
tgctcaccag actgtgagaa aataattgcc actataaatt ttccccttctt ctgcata 237

<210> 578
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256341

<400> 578
catcagcaat ttcaatttttta tgttttctac ttatTTTtat ataagaatac aatgcaacaa 60
aatattcata tattgcacaa acagtgtatgt gcataacaag atgctaaca cattggctgg 120
taataggctt taccatgtta cgatctaaat gcttggcat cagagaatgt acaaattct 180
aagtttggca tccaaaagg ggcttacagt tattgaatat tttcccagc cctattttaa 240
atcaaattca agtttgccta tgacaaagac tgtctataag taacaggca agcataccaa 300
catcaaattt attcttcttc ttatctcacg tgcccattt tctcccaagt aagtg 355

<210> 579
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256367

<400> 579
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ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120
acacgggtgt caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgtac 180
ctggagggtc ctcagggta tagttcagta gcttcatagg attaggatgg catctgcca 240
aaatgtctcc tgtggcagga tcgacagtcg ggttatccac taagggtgccc aactgtatca 300
ccttcagttt agttaaatcc cagttatcat gttttccat tatgtgaatg gtcctaactg 360
ctacatcagc tacatagac 379

<210> 580
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256524

<400> 580
accataaaaca aataaaattt tttatTTaaa tttctcttgc ggggaaaata tttttcttta 60
aaggcacactt aaaagtaatt tgcatttact tccctgtaaag catttccatt tcacaattag 120
caaaaactaaa aggctatgtc tcttcatgca tttatTTttg ttagaaaaat gtcccatgg 180
gctatcaaac cgattttAAC catcatcaag cttaactttg cctctgttga caacatgact 240
acaaacatga atcaaaaagg agttaaggaa tttta 275

<210> 581
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256606

<400> 581
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cgaaacttctg gttggacagc gtcagatgtc actgaggtga cccagcctgt ttgcagttcc 120
aagtcttccg ttaggcgtc actgctactg gaaccttgc gatgaggagc ctgtatgtg 180
atgtcctgaa catttctatc ctttcctcac acagaggaa gctacagaat gaaggggctg 240
gaaaacgttg gtctggttcc ttttagagct gattccccat tggatactgc ctggaggcct 300
tggggatgaa tgagaagttc tgcagttgg atcagtagca gaagcaggtt acacatcagg 360
gaaccgga 368

<210> 582
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256642

<400> 582
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taataatgaa gtacaaatag ctctgactct gcatttggac aaggatgaac catgatagat 120
attnagaaaag gttttaaat catgtgtatg ttggctacag agtaaaagga acagagaaga 180
ctcaagctat tgcagggtgt gtatgtgtca tcagcacaca ctgggggagg agagtccctca 240
ctaagtgcctca caaccctga tagctgtcag tctctcatga agcaccatga tctggcatgg 300
actcccaaattt gccacttg 318

<210> 583
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256666

<400> 583
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atgtcataga ccctgtctgc tctgaagtag atgatgcctg agtgccttgc aggtgggttg 120
ctgggcctg cttgtctgct gtgagtgcca atgggccca cttgtctgt gtgagtgcca 180
gtgggcctca ggacggccct gcaggatgg catcgatcc actctctgag ccgtgcttgc 240
cgaggtctga gtggggcact tgggttgcac ctcccatatt ctctgttcat gtgttctca 300
ttcttcttcc accaccctgg ggactcagca ag 332

<210> 584
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256688

<400> 584
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ttaagagagt ttgtaaaaaa tggagattct ggagcccac tctgtgagtc tggacgatag 180
gtcctacatt tttaaatgcc cctgcctgcc cccaaagggtt tttatacag atggtagact 240
cact 244

<210> 585
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA256990

<400> 585
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taaatagtagc agaggactt aaaatgaaaa acacagtttccatccccacc ctttttaaat 120
ctaaatccca ttcccttagag gtaatgctt taacaatatt tatttttagat cgtctggtaa 180
ctttctaact taaaataata tgtttgagca ataatttctt gacttactga ctttacaaca 240
tcttaataaa ttcccattt caaaagataa ggatttaact tacactatcg ccactttct 300
ttgtccatct ctctccaaat gtctgatagt tacatcactt ttataa 347

<210> 586
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA257057

<400> 586
gcgaaaaata ttttaata aattttttt tcttacattc tgatatacat atgtaacaag 60
gtttatggca ctgttaaccag aatcaaatca gaaaaaaaaaaa aaaaaaaagga aaaaggtggg 120
aaggaaagta ttgtatatat tggtgaattc ctttct 156

<210> 587
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA258131

<400> 587
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gccatcatta tatattaaaa gagcagaggt aattctgtct tctccgggtg tgcagcacga 120
tctgctccag ctcgtcatgc cagggcccgaaacacctcca ctttctcccg gtacagctgg 180
tggaaactgct tggcaaggca gtggaaaggg gtttcgaagt tt 222

<210> 588
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA258158

<400> 588
acaagattta ggtttgctct tctgcctctc actaactgtt tgagcttgat tactttgtta 60
aacttcaat gcagacttgc ggttatcatc ttcatggaaa ttcaactttat tcaaatgaga 120
attcagagtt ccctgatatt cttctgggtt tttgtttaag tgtattcttg gtttgaagcc 180
atgagttaaa aagtccacaag tatctgtgtataaaattgt aaaaggtatt caaacatgtc 240
aggatgaacc ttctctacca caaagagatg gcaccctgca gaatcttcat ctttctggta 300
aatatctgtaaat 313

<210> 589
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA258182

<400> 589
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tctgagaggg ctgcagtctt tttaacaata ccatagtcca aaaagactaa tacttattgc 120
tgattcagct cacaatatta cccctttcca gacaacagca cattcaaATG ttcaagaaaa 180
catTTtatgg qcaccttta tgggcatttg agattcacag agcaatggc catggcatgc 240
cctcaaggaa cttacaatgt agctggagag acacaaaaca tccaaaacag acatgagggg 300
ctggctctac ctccacacct ctatctgaac aaaaacgatt actggcttaa gtcctcgtgt 360
tgtAACGcat gagccacagg aatatcttag caagtacgca ctTTtatcaag tttcaatttg 420
acatgtcaaa acaaaAGTT ttatgt 446

<210> 590

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258308

<400> 590
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cccttcaga gatgagggta ggataccaca gacatcagta actgacaagt tataatATCA 180
acacatgtaa cattgggtc attattttat aaccctaaAG ggagcaactg caggtgcaga 240
agcagtgagt gaactagttt tgTCCAGACA aggtttctg atgtgctatt actttAAACA 300
ccactttgg acactaaAGA ttAAAGTGA taaAGCCACT aactaacttt attagactag 360
ttttacata aataaccaga tttctttg 388

<210> 591

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258323

<400> 591
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aaagaaaaat ccaacattta tagctattcc caagaAGAG aaaAGCTAA ttCAAACAGA 180
ttatTTaaAG atacagtCGT tgAAAACGTA tgTTCTAAAA caAAACAAAA caAAACCTGT 240
gaattgcAGC ctgaaaggaa agcatgtacc acgttctggA taaATATGAA agcaaAGAGG 300
ccccatggaa acatATCCAT gcatAGCCCA tgcatTTGTG tcttctctca ccaaATAGCA 360
ggagccccaa aatATGTATG tgTGGGCCAT aaACATGTta gaactCCAGT gcattaAGAA 420
aactgcctt acaaaAGGTG gcag 444

<210> 592

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258350

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<221> unsure

<222> (1)...(431)

<223> n = a or c or g or t

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accagcagga ggactggggag gacgcaggccc aggacctgtt gtgctcgaaa aggggtgggt 180
gctgaagcac tggtaaagggt ctgggtcatg gatttcctgt tgcagaggtt cccctcacag 240
caggagccct ggagggtcgat ggctgtccag gggctgggtt tgccctcggt ggtgcaggag 300
ggccgggtgcn aggttctgtat gtacacacagg actgagaaat tgcccaactgtt cattctgcca 360
ttgccctgga agcaggcggt ctggctctgg tgacactgga ctcgtcgaa cctggccata 420
gcgcagtcat c 431

<210> 593

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258353

<400> 593

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tgctgtgtcc tcataatgggt gaaggaaatc gaaggggaaa aaggaggtaa ttgggtccct 180
tgagccccc tataaaggca ctaaatccat taatgaggat ggagctctca tgacataatc 240
acctcctaaa gcctcaccta tcacgttgggt gggtgctca acatacgaat ttgggtgggg 300
gacattcaga ccttagcata tgtgatctag tagttctgct cctggatatg tatccctaaa 360
ggacctaaga agggacttca agagagatgt gtacacccat gttcatagca ttactc 416

<210> 594

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA258387

<400> 594

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caattacatc caatgttaaa attggtaata cataatttac aaagattaac atcaaaacaa 120
tcatcttattt agatatgctt ttgtaaaaag gaaatat 157

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aaaaaaaaaac caccagaagt tgcctccaga taacgatgta gtggcagcat gataactggc 300
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<212> DNA
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atttgaaag taaagctttt ttcacatttt ccaacgtacc aatattttcc tacatgcctt 240
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ccaaaaacaa cagttgtgg tctcctccaa ttacacacag agggagagtt cgatgccagg 240
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caaacaaaat accagcccaag ccagactcac atgtgtgtat atatatataa agcaaagagc 300
cacacccaca agccagcagc tgggtgaaat atcagctgtc cacgccgtgg tatgccaatt 360
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aggatagggc qqqqgctgct gtgatccqag agctccctga ccccccaacc ttccccgaac 240
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tatctaaaga agaagcaaaa ctccttaac agttgtata aaacctatgc ctgaaaagtt 180
gttggctatt acacggaaat atttatattt tgTTCTTcta ctcccaataa ctactttaa 240
agaatcagga taacttaat agaatatcaa aatataaatt ataaataatt ataaaaat 300
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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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ccttatttct cacaaggcat cacaaggctc gatccctctag tgtacgaccc ggtggagag 240
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<212> DNA
<213> Homo sapiens

<220>